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**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD
SOUTHFIELD, MI 48034**

TEC REPORT 54072

Submitted by:

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1.0 EXECUTIVE SUMMARY

On behalf of Oakland County (Client) and Paskon Inc., Testing Engineers & Consultants, Inc. (TEC) has completed the Phase I Environmental Site Assessment (ESA) of the Northwestern Twelve Building located at 25899 W 12 Mile Rd in Southfield, Oakland County, Michigan (Subject Property). Pursuant to the contract (executed TEC proposal), the Phase I ESA was performed in general accordance with the ASTM E 1527-13, as well as ASTM E 1527-05, guidelines for Phase I ESAs, except as noted under the Limitations and Exceptions section of this report.

1.1 PURPOSE

TEC understands that the Phase I ESA was conducted in support of purchase of the Subject Property. The Phase I ESA was intended to identify the actual or potential existence of ASTM recognized environmental conditions (RECs) at the Subject Property. The future intended use of the Subject Property will continue to be as a commercial office building with on-site parking.

TEC endeavored to perform all appropriate inquiries (40 CFR 312 and industry standards) in allowing a user to satisfy the requirements to qualify for one of the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property.

1.2 DEFINITIONS

The following terms used in this report are defined within the ASTM E 1527-13 standard practice for Phase I ESAs as follows:

Recognized Environmental Condition (REC): "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

Controlled REC (CREC): "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a

recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”

Historical REC (HREC): “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

Business Environmental Risk (BER): BERs (also known as potential environmental conditions or issues) are conditions that may indicate some potential for environmental impairment, but do not rise to the level of concern presented by RECs. BERs may indicate that environmental impairment is possible but the noted concerns do not meet the “presence or likely presence” or “material threat of a future release” tests required to be designated as RECs.

1.3 SCOPE OF WORK

The Phase I ESA is a compilation of information (when available) obtained from, but not limited to, a site reconnaissance, inquiry into the current and past uses of the Subject Property, a review of available municipal information, historical aerial photographs, topographic maps, interviews with knowledgeable parties, and a review of previous environmental reports and environmental databases of regulated properties. The Phase I ESA was conducted from November 20, 2013 to December 11, 2013.

1.4 GENERAL SUBJECT PROPERTY INFORMATION

The Subject Property consisted of an approximately 1.73-acre parcel improved with a three-story professional office building and associated asphalt-paved drive and parking areas with some landscaping.

Water and sewer is available and provided by the local municipality and natural gas and electricity services are provided by the local public utility companies. The Subject Property was located in an area of commercial development.

1.5 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the commercial property located at 25899 W 12 Mile Rd in Southfield, Oakland County, Michigan. Any exceptions to, or deletions from, this practice are described in the Limitations and Exceptions Section of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property except for the following:

RECs

- None identified.

CRECs

- None identified.

HRECs

- None identified.

1.6 RECOMMENDATIONS

Based on the results of the Phase I ESA, no further assessment and/or investigation appear warranted at the Subject Property.

2.0 INTRODUCTION

Testing Engineers & Consultants, Inc. (TEC) was retained by Oakland County, on behalf of Paskon, Inc. (Client), to perform a Phase I Environmental Site Assessment (ESA) of the Northwestern Twelve Building located at 25899 W 12 Mile Rd (Subject Property) in Southfield, Oakland County, Michigan. The Subject Property location is presented in Figure 1. The Phase I ESA was performed in general accordance with the American Society for Testing Materials (ASTM) Designation E 1527-13 guidelines for Phase I ESAs, except as noted under the Limitations and Exceptions.

2.1 PURPOSE

TEC endeavored to perform all appropriate inquiries (40 CFR 312 and industry standards) to assist the user in satisfying some of the requirements to qualify for one of the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property.

The Phase I ESA was intended to provide a professional opinion of recognized environmental conditions (RECs) in connection with the past and current uses of the Subject Property. According to ASTM E 1527-13, the term recognized environmental condition means “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.”

2.2 PHASE I ESA SCOPE OF WORK

TEC’s Phase I ESA includes the collection and the review of site-specific background data and on-site visual assessment of the property. The background survey focuses on determining past and present use of the Subject Property. Appropriate regulatory agencies are contacted regarding past and present operations at the Subject Property. Readily available information such as maps, aerial photographs, and other publications regarding environmental conditions at the Subject Property are reviewed.

Existing operations on surrounding properties are observed from the Subject Property to evaluate the potential for migration of contaminants onto the property. The assessment considers regulatory agency records of known environmental problems at other properties within the vicinity of the property.

The scope of work for the Phase I ESA does not include a wetlands study or delineation, a hydrogeological assessment, or hydrologic assessment. It does not include sampling and testing of air, asbestos-containing materials, soils, and groundwater or surface water. The scope of work does not fulfill the requirements for a regulatory compliance audit, nor does it guarantee a zero risk level of environmental impairment liability.

This Phase I ESA does not purport to address safety concerns, if any, at the Subject Property. It also does not establish appropriate safety and health practices, or determine the applicability of health and safety regulatory limitations at the Subject Property.

2.3 PHASE I ESA SIGNIFICANT ASSUMPTIONS

TEC has used and incorporated information provided by private organizations and individuals, as well as government agencies. However, the Phase I ESA scope of work does not include the independent verification or confirmation of the reliability of this information.

2.4 PHASE I ESA STAFF

Mr. Donald C. Kaylor, Manager of Environmental Assessment at TEC, was the person with the primary responsibility for data assembly, interpretation, and technical conclusions with respect to the Phase I ESA.

Each of the staff members described above meets the definition of an "Environmental Professional" as required in the "all appropriate inquiries" Final Rule (40 CFR Part 312). See Appendix A for the qualifications of the environmental professionals involved in the Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

This report was prepared for, and may be relied upon by, those authorized parties who have been specifically identified herein. Other use or reliance, implied or otherwise, by any other party is strictly prohibited unless authorized and acknowledged by TEC in writing.

In accordance with the executed TEC proposal, TEC endeavored to perform all appropriate inquiries (40 CFR 312 and industry standards) in allowing a user to satisfy the requirements to qualify for one of the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property. TEC has used and incorporated information provided by private organizations and individuals, as well as municipal, state, and federal agencies. However, the Phase I ESA scope of work does not include the independent verification or confirmation of the reliability of this information.

This report is intended to serve only as an indicator of the potential for environmental impairment arising from readily discoverable, improper chemical, waste management and/or disposal activities conducted at the Subject Property or in the immediate vicinity of the Subject Property.

Regardless of the findings stated in this report, TEC is not responsible for consequences or conditions arising from facts that were concealed, withheld, not fully disclosed, or not readily accessible at the time the assessment was conducted. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The Phase I ESA scope of work did not include the following: sampling of potential asbestos-containing materials, lead-based paint screen, preliminary radon inspection, lead in water testing, wetlands investigations, wetlands evaluation, wetlands delineation, or multimedia compliance audit inspection.

Given the availability of data, probable future adjustments in industry standards, the limited scope of due diligence investigations, the future inclusion of new contaminated sites to agency databases, and the further development of information resources, the resulting environmental liability disposition of the Subject Property is subject to change with time and does not guarantee a zero risk level of environmental impairment liability.

The Executive Summary to the Phase I ESA is intended to be used as an overview of the complete report findings. The Executive Summary is not intended to be used as a stand-alone document. Interpretation of the conclusions should be based on the report in its entirety.

The Phase I ESA report does not represent a legal opinion. Legal opinions regarding potential environmental liability issues as they relate to the Subject Property and the Phase I ESA should be obtained from a qualified attorney.

2.6 USER RELIANCE

TEC realizes that this report was prepared for use by Paskon, Inc. and Lotus Bank who may rely upon the findings of the report.

3.0 PHYSICAL SETTING

3.1 LOCATION

The Subject Property is a rectangular parcel of land that is located along the south side of West 12 Mile Road in Southfield, Oakland County, Michigan. The Subject Property is situated in the northwest quarter of the northwest quarter of Section 18, Township 1 North, Range 10 East, as referenced on the United States Geological Survey (USGS) Redford and Pontiac South, Michigan Quadrangle Topographic Maps. See Figure 1 for the Location Map and Figure 2 for the Property Features Diagram.

3.2 TOPOGRAPHY

Based on the reconnaissance, the topography of the Subject Property area is generally flat. Based on review of the USGS Topographic Map, the topography of the area slopes down towards the southeast. According to the topographic map, the Subject Property elevation is approximately 710 to 712 feet above mean sea level (AMSL).

3.3 GEOLOGY

Information provided in the Hydrogeologic Atlas of Michigan (1981) indicated that the area bedrock (Mississippian-age shales) is indicated to be at an approximate elevation of 650 feet AMSL; therefore bedrock is not likely to be pertinent to environmental conditions at the

Subject Property. Subject Property soil is dominantly Lenawee silty clay loam to a depth of approximately five feet below grade according to the Web Soil Survey (WSS) produced by the National Cooperative Soil Survey and operated by the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS).

The Quaternary Geology of Southern Michigan map indicated that the surficial geology surrounding the Subject Property consists of lacustrine clay and silt between 1 and 10 meters thick and glacial end moraines of medium textured till. The lacustrine clay and silt material is gray to dark reddish brown and varved in some localities. It chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes, and includes small areas of lacustrine sand and clay-rich till. Glacial end moraines of medium textured till are described as gray, grayish brown or reddish brown, nonsorted glacial debris; matrix is dominantly loam and silt loam texture, variable amounts of cobbles and boulders. They occur in narrow linear belts of hummocky relief marking former stillstands of ice-sheet margin. They include areas of coarser or finer-textured tills as well as small areas of outwash. Soil thickness ranges from 20 to 30 meters.

3.4 DRAINAGE PATTERNS

Based on the reconnaissance, the surface drainage direction on the Subject Property is likely to on-site catch basins and to catch basins located along West 12 Mile Road. Areal drainage likely follows topography to the southeast.

3.5 LOCAL GROUNDWATER FLOW

The EDR Geotrack[®] Physical Setting information in the radius map report indicated groundwater flow is to the southeast. No other specific information was readily available regarding the groundwater conditions present at the Subject Property. Generally, groundwater flow direction would be expected to be consistent with surface water flow and/or local topography and dependent upon seasonal variation in precipitation. Therefore, it is likely that the groundwater flow direction in the area of the Subject Property will be toward the southeast.

3.6 CURRENT USE OF THE SUBJECT PROPERTY

The Subject Property consisted of an approximately 1.73-acre parcel improved with a three-story professional office building and associated asphalt-paved drive and parking areas with some landscaping.

3.7 DESCRIPTIONS OF STRUCTURES, ROADS AND IMPROVEMENTS

The Subject Property is zoned ERO (education research - office) and is located in an area of commercial development. The Subject Property consisted of an approximately 1.73-acre parcel improved with a three-story professional office building and associated asphalt-paved drive and parking areas with some landscaping. Water and sewer is available and provided by the local municipality and natural gas and electricity services are provided by the local public utility companies.

4.0 SUBJECT PROPERTY AND AREA RECONNAISSANCE

The Subject Property reconnaissance was performed on November 25, 2013, by Mr. Donald Kaylor of TEC. Mr. Kaylor was accompanied during the building interior reconnaissance by Mr. Paul Krakow of Standard Building Maintenance Corporation. Weather conditions during the reconnaissance were mostly cloudy with an approximate air temperature of 30 degrees Fahrenheit. See Appendix B for the Photographs obtained during the visual reconnaissance and Figure 2 for the Property Features Diagram.

4.1 METHODOLOGY AND LIMITING CONDITIONS

The Subject Property and adjoining properties were visually observed for ASTM RECs in an effort to determine if a release of petroleum or other hazardous materials has occurred to the Subject Property surface, soil, surface water or groundwater. Indications of RECs may include, but are not limited to, evidence of buried or discarded drums or containers, stained, discolored or disturbed soils, stressed vegetation, evidence of pipes or other objects protruding from the ground, and evidence of aboveground and underground storage tanks. The reconnaissance was an observation of current Subject Property and adjoining property uses and conditions.

The reconnaissance was an observation of current Subject Property and adjoining property uses and conditions, and was conducted in a manner that allowed for visual observations and of identification of Subject Property features, including structures, open areas, boundaries, and adjoining properties.

As part of the Phase I ESA, TEC requested to review the following documents per ASTM E 1527-13:

- Phase I ESAs, Phase II ESAs, Environmental compliance audit reports
- Environmental permits
- Registrations for underground and above-ground storage tanks
- Registrations for underground injection systems
- Safety Data Sheets (SDSs)
- Community right-to-know plans

- Safety plans, preparedness and prevention plans, spill prevention, countermeasure, and control plans
- Reports on hydrogeologic conditions at the Subject Property or surrounding area
- Notices or other correspondence from government agencies relating to environmental laws or liens
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded activity use limitations

Documents outlined above and provided to TEC are discussed as appropriate in the following sections and are attached to this report.

4.2 GENERAL SUBJECT PROPERTY INFORMATION

The Subject Property is zoned ERO (education research - office) and is located in an area of commercial development. The Subject Property consisted of an approximately 1.73-acre parcel improved with a three-story professional office building and associated asphalt-paved drive and parking areas with some landscaping. Water and sewer is available and provided by the local municipality and natural gas and electricity services are provided by the local public utility companies.

4.3 SUBJECT PROPERTY STRUCTURES

The Subject Property contained a three-story professional/commercial office building with a floor area of approximately 38,750 square feet that was built in 1985.

4.4 CHEMICAL USE AND STORAGE

No obvious visual indication of potential significant hazardous substance or petroleum product use or storage on the Subject Property was noted.

4.5 WASTE DISPOSAL

No evidence of on-site waste disposal activities was observed at the Subject Property.

4.6 STORAGE TANK SYSTEMS

The Subject Property was visually observed for signs of current or former underground storage tanks (USTs) and aboveground storage tanks (ASTs). Typical indicators of USTs include pump islands, fill or vent piping, excavations, patches in pavement, etc.

No obvious evidence of UST or AST systems was apparent at the Subject Property, with the exception of one compressor (possibly with a second small tank connected to the first) located within the furnace room. Minor staining of the floor was evident; the staining is suspected to be due to small spills occurring during filling of the oil reservoir and or other maintenance of the compressor. The compressor is not considered to be an environmental concern to the Subject Property.

4.7 VEGETATION

Vegetation was limited to grassed and landscaped areas surrounding the building and paved areas. No stained soils or stressed vegetation that appeared to be stressed due to releases of hazardous substances or petroleum products were observed on the Subject Property.

4.8 PITS, PONDS, AND LAGOONS

No indications of pits, ponds, standing water, lagoons, retention basins, or detention basins were noted on the Subject Property.

4.9 UTILITIES, WELLS, AND SEPTICS

Municipal water service is available and provided to the Subject Property by the City of Southfield. Electricity and natural gas services are provided to the Subject Property by the local public utility companies.

4.10 OIL AND GAS WELLS OR PIPELINES

No obvious indication of oil and gas well or pipeline activity was found on or near the Subject Property.

4.11 SUSPECTED POLYCHLORINATED BIPHENYL-CONTAINING EQUIPMENT

The Subject Property was observed for suspected polychlorinated biphenyl (PCB) containing equipment, such as electrical transformers and capacitors.

A pad-mounted electrical transformer was located on the eastern edge of the Subject Property. The transformer housing appeared to be in good shape with no evidence of corrosion, or leaks. There were pole-mounted electrical transformers located at the rear (south) of the Subject Property; the pole is likely in an easement between the Subject Property and the south-adjointing property. No evidence of leaks or significant corrosion was evident. Based on the overall good operational appearance, the transformers are not considered an environmental concern to the Subject Property.

No other electrical equipment, suspected of containing PCBs, was observed on the Subject Property.

4.12 AREA RECONNAISSANCE

A limited visual reconnaissance of the adjoining and nearby properties was performed. The reconnaissance was limited to observation of areas visible from the Subject Property or areas of public access. The regional area surrounding the Subject Property consisted of commercial properties. The adjoining and nearby properties are listed below:

To the north: West 12 Mile Road, beyond which were residential and office properties.

To the south: An inactive commercial property to the south and an active office property to the southeast, beyond which were additional commercial developments.

To the east: A medical office building, beyond which were additional commercial developments.

To the west: A wooded and inactive portion of the south-adjoining inactive commercial property beyond which were additional commercial developments.

TEC did not observe any other obvious evidence of USTs, ASTs, hazardous substance or petroleum product storage, material spillage, regulated waste generation, or waste disposal on adjacent properties during the recent reconnaissance. No environmental concerns to the Subject Property were observed on adjoining properties.

5.0 USER/CLIENT PROVIDED INFORMATION

Consistent with the requirements of AAI and ASTM E 1527-13, TEC provided the user of the Phase I ESA with a questionnaire regarding their specific knowledge of Subject Property environmental conditions, and requested that the User provide the Suggested Information per Appendix X3.1 of ASTM E 1527-13. Mr. Stanley Freeman, Vice-President of TransCon Builders, Inc. responded, on behalf of Paskon Inc., with information regarding the Subject Property for use in the Phase I ESA report by responding to the User Questionnaire and supplying other information as follows:

The User indicated that the use of the Subject Property was as a "general office building" and provided a list suites and tenants, and indicated that title records would be provided to TEC.

5.1 ENVIRONMENTAL LIENS

The User answered "No" to the question "Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state, or local law?"

5.2 ACTIVITY AND USE LIMITATIONS

The User answered "No" to the question "Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?"

5.3 USER SPECIALIZED KNOWLEDGE

The User answered "Yes" to the question "As the user of this ESA do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?"

The User indicated that building was used for "general office" and that there were no environmental issues related to the Subject Property.

5.4 FAIR MARKET VALUE

The User answered "Yes" to the question "Does the purchase price being paid for this Subject Property reasonably reflect the fair market value of the Subject Property?"

5.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The User answered "Yes" to the question "Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user, (a) Do you know the past uses of the Subject Property?"

The User indicated knowledge of past uses, being "general office" with no known environmental issues.

5.6 OBVIOUS INDICATORS OF CONTAMINATION

The User answered "No" to the question "As the user of this ESA, based on your knowledge and experience related to the Subject Property are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property?"

5.7 PROCEEDING INVOLVING THE SUBJECT PROPERTY

The User answered "No" to the question "as the user of this ESA do you know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?"

5.8 REASON FOR PERFORMING THE PHASE I ESA

The Phase I ESA was conducted in support of acquisition of the Subject Property for continued use as an office building.

TEC endeavored to perform all appropriate inquiries (40 CFR Part 312 and industry standards) in allowing a user to satisfy the requirements to qualify for one of the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability.

5.9 TITLE RECORDS

TEC was not provided with title records as of the date of report preparation. According to ASTM E 1527-13 Section 6.2, it is a User responsibility to review reasonably ascertainable title and judicial records for environmental liens or activity and use limitations (AULs), if any, that are currently recorded against the property.

5.10 OTHER USER INFORMATION

The User provided a "Commitment for Title Insurance" document (dated issued: December 10, 2013). No review of the document was provided by the Client. TEC did not observe information in the document that was relevant to environmental conditions at the Subject Property. No other information regarding possible environmental conditions at the Subject Property was provided by the User. A copy of the User/Client Questionnaire is presented in Appendix C.

6.0 HISTORICAL SUBJECT PROPERTY USE REVIEW

Historical usage of the Subject Property and adjoining properties was referenced through reasonably ascertainable records (when available) which may include, but not limited to, municipal information, aerial photographs, topographic maps, interviews with persons

knowledgeable of Subject Property conditions, and previous assessments. See Section 12.0 for references that were reviewed.

6.1 LEGAL DESCRIPTION

A legal description of the Subject Property obtained from the City of Southfield online assessing website is as follows:

T1N,R10E,SEC 18 PART OF NE 1/4 BEG AT PT DIST S 89-53-45 W 327.60 FT FROM NE SEC COR, TH S 435.60 FT, TH S 89-53-45 W 200.00 FT, TH N 435.60 FT, TH N 89-53-45 E 200.00 FT TO BEG EXC N 60 FT TAKEN FOR TWELVE MILE RD 1.720A 000000

6.2 MUNICIPAL RECORDS

According to information reviewed by TEC from City of Southfield on-line assessing website and from the Building Department, the Subject Property has a parcel number of 76-24-18-226-041 and is comprised of approximately 1.73 (or 1.72) acres and is developed with three-story office building.

According to the Southfield Zoning Map, the Subject Property was zoned ERO (education research - office). No other pertinent information regarding the zoning or re-zoning of the Subject Property was found. Southfield Building Department records included various applications, permits, and correspondence associated with construction and renovation activities.

According to City of Southfield online assessing information, the south- and west-adjointing unoccupied commercial property (parcel ID 76-24-18-226-050 and addresses of 28610 28620, 28630, and 28640 Northwestern Hwy) is owned by Kaye Center LLC of Southfield (purchased in 2000), is improved with an approximately 7,040-square foot "strip mall" building (built in 1965) that was at one time occupied by a computer retail/repair store, a TV repair store, and a store selling blinds and drapes.

The reviewed municipal information did not indicate environmental concerns for the Subject Property.

6.3 COUNTY RECORDS

TEC requested to review available file information maintained by Oakland County Health Department of Environmental. However, TEC was informed that no records were found for the Subject Property. TEC reviewed Oakland County's on-line aerial photography covering the Subject Property.

The reviewed county information did not indicate environmental concerns for the Subject Property.

6.4 STATE RECORDS

TEC made Freedom of Information Act (FOIA) requests for information pertaining to environmental conditions at the Subject Property to the Office of Waste Management and Radiological Protection (OWMRD), the Remediation and Redevelopment Division (RRD), and the Water Resources Division (WRD) of the Michigan Department of Environmental Quality (DEQ), and the Michigan Department of Licensing and Regulatory Affairs (LARA).

The DEQ FOIA request was denied by the RRD and LARA, indicating that the organizations believed that public records do not exist under the address given by the requester, or by another reasonably known to the agency.

The Solid Waste Section of the OWMRD of the DEQ responded with information indicating that there was a generator (Medicolegal Services Inc., Suite 200) of medical waste at the Subject Property. TEC believes this operation is no longer active; Suite 200 was unoccupied at the time of reconnaissance.

At the time of report preparation, WRD had not responded to the FOIA request. When the response is received, TEC will review it to determine if the response would alter the conclusions, opinions, or recommendations made within this report, and will notify the User of these alterations, if any.

TEC's review of the online DEQ RD Perfected Lien List (dated 04/26/2013) did not identify perfected liens for the Subject Property or adjacent properties.

TEC's review of the online DEQ Oil and Gas activity information (dated 03/01/2013) did not identify any activity on or near the Subject Property or adjacent properties.

The reviewed state information did not indicate environmental concerns for the Subject Property.

FOIA documentation is presented in Appendix G.

6.5 INTERVIEWS

Mr. Paul Krakow, identified by the User as a person knowledgeable about the Subject Property, was interviewed in person. Other than as may have been described earlier in this report, Mr. Krakow was unaware of any former or current storage tank systems, outstanding violations or environmental liens, activity and use limitations, proceedings, or other adverse environmental conditions associated with the Subject Property. Mr. Stanley Freeman was interviewed via a written User Questionnaire. A copy of the User/Client Questionnaire is presented in Appendix C.

TEC's written questionnaires and freedom of information requests are also forms of an interview, and the results of these interviews are presented in appropriate sections of this report.

6.6 RECORDED LAND TITLE RECORDS

No recorded land title records were reviewed for the Subject Property nor were they provided by the Client. However, other historical references, specifically municipal records, aerial photographs, interviews, etc. were considered sufficient to establish prior uses. No additional information was anticipated to be revealed by the recorded land title records.

6.7 AERIAL PHOTOGRAPHS

Aerial photographs of the Subject Property and surrounding area provided by Environmental Data Resources, Inc. (EDR) were reviewed that indicated the following:

Year(s)	Notes
1937, 1940, 1949	The Subject Property and adjoining properties consisted of agricultural or cleared land. Orchards were present on some nearby properties. A residence (likely a farmhouse) was evident on the Subject Property.
1957, 1961, 1967, 1972	Some nearby residential development was present. Nearby commercial development was evident starting in 1961.
1980	Agricultural land use in the areas was no longer evident. Commercial and residential development of adjoining and nearby properties had accelerated.
1993, 1999, 2005, 2009, 2010, 2012	The Subject Property appeared to be developed in its present state with a commercial building. Adjoining and nearby properties appeared to be developed in their present states.

Except as discussed, the scale and resolution of the aerial photographs limited observation of special features, such as relief, areas of staining, soil disturbances, or areas of outdoor storage. Historical aerial photographs revealed that the Subject Property and surrounding properties have been used in the past for agricultural farming. In some cases, especially with orchards, it is possible that agricultural use may have involved the storage, mixing, and application of herbicides and other agricultural chemicals on site. However, there is no specific indication that this type of activity occurred at the Subject Property or adjoining properties. See Appendix E for copies of the aerial photographs reviewed by TEC.

6.8 SANBORN FIRE INSURANCE MAPS

A search for Sanborn Fire Insurance Maps of the Subject Property and surrounding area was conducted by EDR. There is reportedly no coverage for the area of the Subject Property.

6.9 CITY DIRECTORIES

City address records were not reviewed for the Subject Property. Other historical references, specifically municipal records and aerial photographs, were considered sufficient to establish prior uses. No additional information was expected to be revealed by the city address indexes.

6.10 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

No previous environmental investigation reports for the Subject Property were provided to TEC for review.

7.0 ENVIRONMENTAL REGULATORY RECORDS SEARCH

Federal and state environmental database records were referenced by TEC and Environmental Data Resources (EDR) regarding environmental concerns on the Subject Property. The following tables show properties found in the database records list that were found within specific radii surrounding the Subject Property. A complete copy of the EDR Radius Map report is presented in Appendix F.

Testing Engineers & Consultants, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	1	4	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	1	NR	NR	NR	1

Testing Engineers & Consultants, Inc.

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL	0.500		0	1	0	NR	NR	1
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	1	1	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000	0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	2	NR	NR	NR	3
EDR US Hist Cleaners	0.250	1	5	NR	NR	NR	6

NOTES: TP = Target Property (Subject Property).

NR = Not Requested at this Search Distance.

Sites may be listed in more than one database, and abbreviations are defined in the attached EDR Radius Map report.

Per ASTM E 1527-05, the approximate minimum search distances (AMSDs) are:

Standard Environmental Record Sources (where available)	AMSDs - miles (kilometers)
Federal NPL Site list	1.0 (1.6)
Federal Delisted NPL Site list	0.5 (0.8)
Federal CERCLIS list	0.5 (0.8)
Federal CERCLIS NFRAP Site list	0.5 (0.8)
Federal RCRA CORRACTS facilities list	1.0 (1.6)
Federal RCRA non-CORRACTS TSD facilities list	0.5 (0.8)
Federal RCRA generators list	Subject Property & adjoining properties
Federal institutional control/engineering control registries	Subject Property only
Federal ERNS list	Subject Property only
State & tribal lists of hazardous waste Sites identified for investigation or remediation:	
State- & tribal-equivalent NPL	1.0 (1.6)
State- & tribal-equivalent CERCLIS	0.5 (0.8)
State & tribal landfill and/or solid waste disposal Site lists	0.5 (0.8)
State & tribal leaking storage tank lists	0.5 (0.8)
State & tribal registered storage tank lists	Subject Property & adjoining properties
State & tribal institutional control/engineering control registries	Subject Property only
State & tribal voluntary cleanup Sites	0.5 (0.8)
State & tribal Brownfield Sites	0.5 (0.8)

As tabulated above, EDR did identify properties within the AMSD radii on the federal and state regulatory agency databases that were reviewed, and an additional eight database listings were identified in the orphan summary. The orphan summary lists properties within postal zip codes that are the same or adjoining to the zip code of the Subject Property that were unable to be adequately geographically located by EDR. TEC determined that the orphan listings were not within the AMSD radii.

Subject Property Regulatory Agency Database Findings

During review of the federal and state database information in the EDR report, the Subject Property was not identified.

Adjoining and Surrounding Regulatory Agency Database Findings

Several nearby properties were identified within the referenced search radii on the federal and state regulatory agency databases that were reviewed. A current and historic dry cleaner is located approximately 400 feet (in the general upgradient direction) from the nearest corner of the Subject Property; however, there are no known releases or violations reported for the dry cleaner. In addition, the cleaner is on the north side of W 12 Mile Road, suggesting separation by major utilities. A current and historic dry cleaner that is also a Baseline Environmental Assessment (BEA) site is located approximately 800 feet (in the general side-gradient direction) from the nearest corner of the Subject Property, separated from the Subject Property by Northwestern Highway; although BEAs indicate known contamination on a site, the distance and location of this BEA site does not suggest an environmental concern to the Subject Property. Further away, but also in the general upgradient direction, are similar properties, such as historical gas stations with no known releases.

TEC reviewed information for properties identified within the referenced approximate minimum search distances. Based on an evaluation of a variety of factors, only those properties that have the potential to impact the Subject Property are discussed in detail. These factors include (but not limited to) the following:

1. Type of database on which a property was identified
2. Information presented in the EDR report and government databases
3. Direction and distance of the property from the Subject Property
4. Suspected or known groundwater flow direction at or near the Subject Property
5. Likelihood that the released contaminants could migrate to the Subject Property
6. Surface and subsurface features (soil types, utility corridors, roadways, etc.)

Based on evaluation of the above factors, none of the adjoining or nearby properties identified within the referenced search radii on the federal and state regulatory agency databases are considered likely to pose an environmental concern to the Subject Property. Furthermore, under Part 201, Environmental Remediation, of Michigan's Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended (Part 201), the owner of property impacted by contamination migrating from off-site is generally exempt from environmental cleanup liability for that contamination.

8.0 NON-SCOPE CONSIDERATIONS

Non-scope considerations as defined in ASTM E 1527-13 include but are not limited to asbestos containing building materials (ACBMs), lead-based paint, wetlands, and radon. None of these non-scope considerations were assessed as part of the Phase I ESA.

9.0 ASTM DATA GAPS AND DEVIATIONS

9.1 DATA GAPS

Under ASTM E 1527-13, Section 3.2.20, a lack of or inability to obtain information required by ASTM practice despite good faith efforts by the environmental professional to gather such information is considered a data gap. The following data gap(s) were identified during this Phase I ESA:

- This Phase I ESA researched reasonably ascertainable and practically reviewable standard historical references back to 1937, at which time the Subject Property was developed agricultural land. Therefore, all obvious uses of the Subject Property were not identified back to the Subject Property first developed use, and this is a data failure. However, historical information suggests that the Subject Property and surrounding properties were likely agricultural prior to 1937. Therefore, this data failure is not considered a significant data gap and is unlikely to affect the opinions and conclusions rendered in this Phase I ESA report.

No other data gaps as defined in ASTM E 1527-13, Section 3.2.20, were encountered during the completion of the Phase I ESA.

9.2 DEVIATIONS

No deviations to the stated scope of work, Section 1.2, were identified during the completion of the Phase I ESA.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Northwestern Twelve Building located at 25899 W 12 Mile Rd in Southfield, Oakland County, Michigan. Any exceptions to, or deletions from, this practice are described in the Limitations and Exceptions Section of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

RECs

- None identified.

CRECs

- None identified.

HRECs

- None identified.

11.0 RECOMMENDATIONS

Based on the results of the Phase I ESA, no further environmental assessment and/or investigation appear warranted at the Subject Property.

12.0 REFERENCES

- ASTM "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM E 1527-13, November 1, 2013.
- Environmental Data Resources, Inc. (EDR). "The EDR Radius Map Report," November 20, 2013.
- EDR. "The EDR Aerial Photo Decade Package," November 25, 2013.
- Michigan Department of Environmental Quality (DEQ). *Oakland County Drilling Units*, Updated March 2013.
- Michigan Legislature. "Natural Resources and Environmental Protection Act (Act 451), Environmental Remediation (Part 201)", 1994, as amended.
- Southfield, Michigan. Assessing and Building Department.
- State of Michigan. Department of Natural Resources, *Quaternary Geology of Southern Michigan*, 1982.
- . Department of Natural Resources, *Bedrock Geology of Southern Michigan*, 1987.
- United States Geological Survey (USGS) Topographic Map. *Redford and Pontiac South, Michigan, Quadrangle Maps*.
- Western Michigan University (WMU). Department of Geology, College of Arts and Sciences, *Bedrock Geology (Southern Peninsula)*, 1981.
- . Department of Geology, College of Arts and Sciences, *Topography of the Bedrock Surface (Southern Peninsula)*, 1981.

13.0 ENVIRONMENTAL PROFESSIONAL STATEMENT AND SIGNATURES

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

All of which is respectfully submitted,



Donald Kaylor, PG (IN, TN), EP
Manager, Environmental Assessment

Reviewed By:



Prepared by:
Ashley Prescott, EIT
Staff Engineer, Environmental Assessment


Testing Engineers & Consultants, Inc.

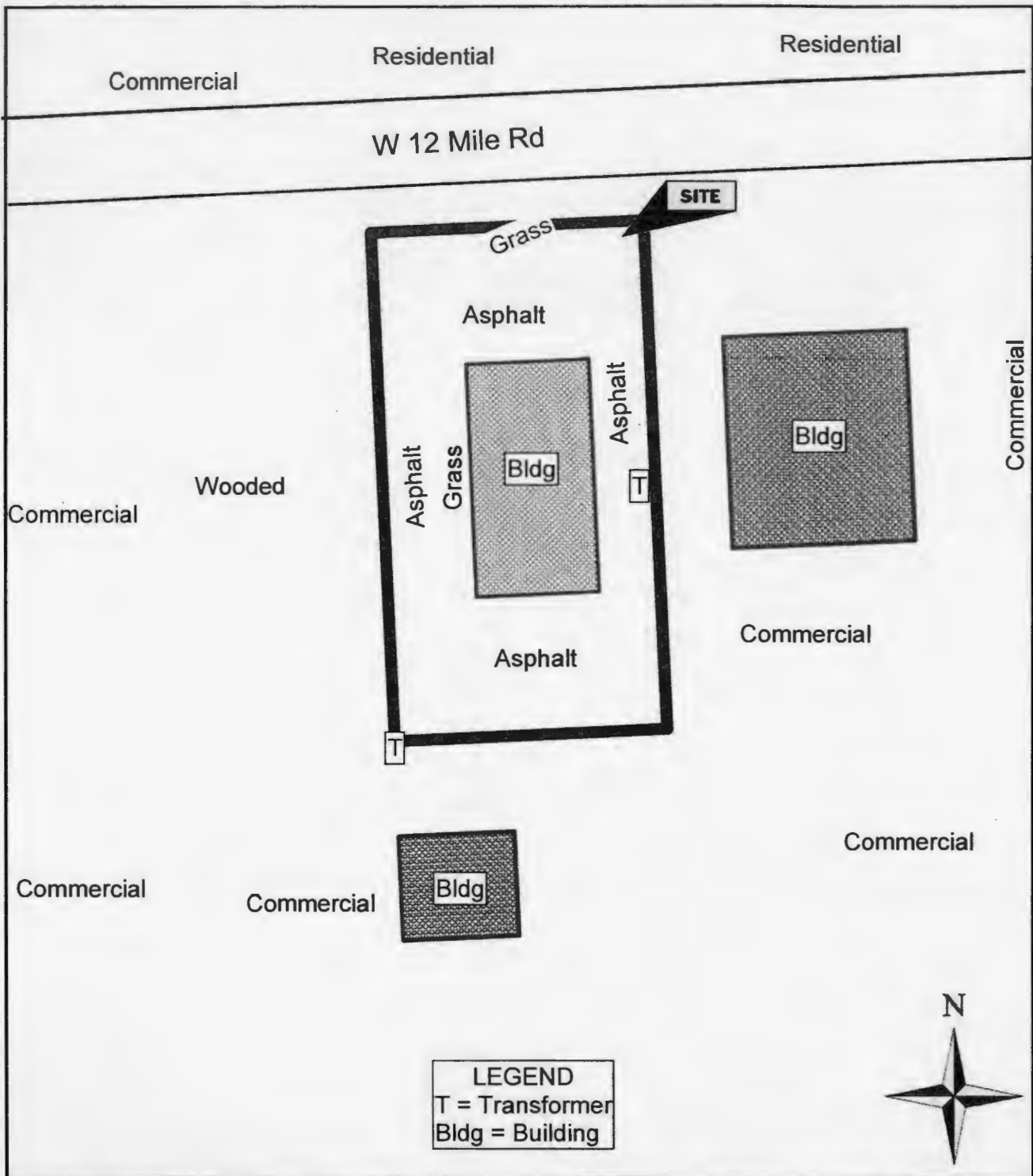
PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN

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MAPS AND FIGURES



	<p>Testing Engineers & Consultants, Inc. 1343 Rochester Rd Troy, MI 48083</p>	<p>Phase I ESA Northwestern Twelve Building 25899 W 12 Mile Rd Southfield, MI 48034</p>	<p>TEC Project: 54072 Approx. scale: 1:24000 Date: 12/10/13</p>	<p>Figure 1 Location Map</p>
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Testing Engineers & Consultants, Inc.
 1343 Rochester Rd
 Troy, MI 48083

Phase I ESA
 Northwestern Twelve Building
 25899 W 12 Mile Rd
 Southfield, MI 48034

TEC Project: 54072
 Not to scale
 Date: 12/10/13

Figure 2
 Property Features
 Diagram

Testing Engineers & Consultants, Inc.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN**

**TEC REPORT 54072
DECEMBER 11, 2013**

APPENDIX A

RESUMES

DONALD C. KAYLOR, PG (IN, TN) CP (MI), EP

TITLE:

Manager, Environmental Assessment

EDUCATION:

Graduate Diploma in Waste Management/Groundwater Contamination, McGill University, Canada, 1991

Master of Science (Geology), McGill University, Canada, 1988

Bachelor of Science (Geology), McGill University, Canada, 1982

LICENSES/REGISTRATIONS:

Professional Geologist (PG), #1584, Indiana

Professional Geologist (PG), #TN2438, Tennessee

Certified UST Professional (CP), #663, Michigan

Certified Class A UST System Operator, Michigan

Certified Class B UST System Operator, Michigan

Certified Stormwater Operator (CSO) for Construction Sites, #03033, Michigan

Certified Stormwater Operator (CSO) for Industrial Sites, #05834, Michigan

Asbestos Inspector, #A22920, Michigan

PROFESSIONAL DEVELOPMENT:

OSHA 40-Hour, 8-Hour Supervisor, and Current 8-Hour Annual Refresher Safety Training

Underground & Aboveground Storage Tank Inspector, University of Wisconsin

Environmental Assessment for Commercial Real Estate, ASTM

Asbestos Building Inspector Training

IAQ/Mold Inspector

Certified Project Manager

Cleanup Criteria Training, Michigan DEQ

Risk-Based Corrective Action Applied at Petroleum Release Site, ASTM

Brownfield Grant Writing Workshop; EPA Region 5

First Aid and CPR, American Red Cross

EXPERIENCE:

Mr. Kaylor is a Professional Geologist (IN, TN), a Certified Underground Storage Tank Professional (MI), and is qualified as an Environmental Professional (EP) per 40 CFR 312, with more than 21 years of progressively-responsible environmental consulting experience in Michigan. Previously, Mr. Kaylor was an oil and gas exploration geologist. He specializes in conducting or overseeing all aspects of environmental due diligence, hydrogeological investigation, contamination assessment, Risk-Based Corrective Action, and UST/leaking UST projects. As Manager of Environmental Assessment, his responsibilities include department and project management, report writing, client consultation, staff training and supervision, senior technical review, department P/L, and business development.

ASHLEY M. PRESCOTT, EIT, LEED AP

TITLE:

Staff Engineer
Environmental Assessment

EDUCATION:

MSCE, Environmental Engineering, Wayne State University (Detroit, MI), 2011
BSE, Civil & Environmental Engineering, Princeton University (Princeton, NJ), 2006
Certificate, Materials Science & Engineering

PROFESSIONAL DEVELOPMENT:

Eight-hour Refresher for OSHA HAZWOPER Training (2012)
Dale Carnegie Effective Communications & Human Relations Course (2009)
30-Hour OSHA Construction Safety Training (2008)
Bentley MicroStation Software Training (2007)
AutoDesk Civil 3D and Vault Software Training (2007)
40-Hour OSHA HAZWOPER Health and Safety Training (2006)
Edward Tufte's "Presenting Data and Information" Seminar (2005)

LICENSES/REGISTRATIONS:

Engineer-In-Training (EIT), 2010 - Nat'l Council of Examiners for Engineering & Surveying
LEED Accredited Professional, 2009 (with BD+C specialty, 2011) - Green Building Certification Institute

EXPERIENCE:

Three years environmental consulting and construction management experience, including environmental due diligence assessments, multi-media subsurface investigations, soil/groundwater remediation, regulatory compliance audits, and green building.

SAMPLING OF PROJECTS:

Phase I Environmental Site Assessments: Researched and prepared Phase 1 environmental site assessments (ESAs) for a broad variety of commercial and industrial properties, including an automotive parts (injection molding) plant, boat repair shop, and a series of trucking terminals.

Subsurface Investigations (Phase II Environmental Site Assessments): Performed soil and groundwater sampling, and contributed to reports documenting research methodology, reporting field findings, consolidating analytical results, summarizing statistical data analyses, and recommending practical, cost-effective solutions to environmental issues.

Soil/Groundwater Remediation: Assisted with remediation design for a 530-acre Appalachian pulping and paper mill with mercury contamination; removal of low-level radioactive soil contamination for the Department of Energy in greater St. Louis; and in-situ chemical oxidation of

ASHLEY M. PRESCOTT, EIT, LEED AP

SAMPLING OF PROJECTS: Cont.

TCE using permanganate injections at Air Force Plant 6 in Marietta, GA. Performed air monitoring for occupational health and safety on remediation sites.

Regulatory Compliance and Permitting: Conducted audits of facilities, equipment, and chemicals, including USTs and hazardous materials, for Fortune 100 retail and utility clients. Researched and reported on local permitting requirements across multiple states.

Hazardous Materials and Emergency Response: Trained to assist emergency response and hazardous materials remediation efforts under the EPA START (Superfund Technical Assessment & Response Team) program.

Construction Engineering and Management: Managed quality control for a series of federal construction task orders, ensuring contract compliance. Managed office interior remodeling project, and worked on \$190M hospital addition through design development and construction phases. Developed work plans, specifications, cost estimates, and operations/maintenance manuals. Reviewed submittals, composed requests for information, developed scope of work and additional provisions for subcontracts, and maintained electronic and hard copy document control system. Examined subcontractor performance and financial data to assess contract risk.

TECHNICAL SOCIETY AFFILIATIONS:

Society of Women Engineers (SWE), Member
American Society of Civil Engineers (ASCE), Member
Engineering Society of Detroit (ESD), Member
Engineers Without Borders (EWB), Member

DONALD C. KAYLOR, PG (IN, TN), CP (MI), EP, Cont.

SAMPLING OF PROJECTS: Cont.

Environmental Due Diligence Project Experience:

- State of Michigan, Department of Transportation; Proposed Transportation Service Center, Pontiac, MI: Conducted Phase I ESA, Phase II/III drilling investigations, Baseline Environmental Assessment, and Section 7a (Due Care) Compliance Analysis on former State Psychiatric Hospital facility.
- PGS Incorporated; Former KC Jones Plating Company, Troy, MI: Conducted a Phase I ESA and Asbestos-Containing Building Materials survey on active light industrial manufacturing site for a pending property transaction. Including non-scope issues such as asbestos sampling, permit compliance, and wetlands.
- Fleetwood Enterprises; Advanced Specialty Products, Inc, Bowling Green, OH: Conducted a Phase I ESA and Phase II ESA. Discovered the presence of an unregistered underground storage tank. Registered tank and confirmed release. Properly abandoned unused on-site well. Conducted a Tier 1 Source Area Investigation to obtain No Further Action status for site by working closely with BUSTR regulators.
- State of Michigan, Department of Transportation; Proposed Transportation Service Center, Detroit, MI: Conducted Phase I ESA, geophysical investigation (GPR/EM), Phase II/III drilling investigations, and Section 7a (Due Care) Compliance Analysis on former automobile manufacturing facility.
- Sterling Spring LLC; Proposed Manufacturing Facility, Jackson, MI: Conducted Freedom of Information Act review and Type S (same use) Baseline Environmental Assessment (petitioned to and affirmed by DEQ) on former industrial facility.
- Standard Federal Bank; RJ Marshall sites, Various Locations: Managed multi-state Phase I ESA portfolio (California, Arkansas, and Michigan). Additional detailed regulatory review services provided on critical sites.
- Casmere/Halanski; Sterling Heights, MI: Managed Phase I ESA on a former 58-acre landfill.
- Private Owner; Proposed Retail Gasoline Station, Ecorse, MI: Conducted Phase I ESA, Phase II ESA, and Type S Baseline Environmental Assessment (petitioned to and affirmed by DEQ) on former gasoline station.
- Northern Land Development; Marie, MI: Project manager for Phase II ESA on a former gasoline station, including risk assessment of chemical exposure hazards.
- State of Michigan, Department of Transportation; M-50 Highway Expansion, Jackson, MI: Project manager for an expansion effort which included right-of-way access/permitting, environmental drilling, and soil sampling along the proposed expansion route. Responsible for the evaluation of numerous adjoining sites with known and suspected contamination. Oversaw implementation of a health and safety assessment for worker safety and soil disposal issues.

Groundwater Monitoring Project Experience:

- South Macomb Disposal Authority (SMDA) Landfill Site #11, Macomb County, MI: Project management, analytical data review and validation, assessment of field sampling and laboratory techniques and results, and groundwater monitoring report preparation for multi-year quarterly groundwater sampling (sampling by a third party) and monitoring of a landfill.

DONALD C. KAYLOR, PG (IN, TN), CP (MI), EP, Cont.

SAMPLING OF PROJECTS: Cont.

- Detroit Edison; Fermi Nuclear Power Plant, Newport, MI: Project management, data validation, and low-stress field sampling for multiple parameters to support a Combined Operating License Application (COLA) for a new reactor (Fermi 3).
- Mobil Oil Corporation; Multiple Sites, MI: Project manager/certified UST professional for multi-site long-term quarterly/annual groundwater monitoring program.
- Coca-Cola Enterprises North; Multiple Sites, MI: Project geologist for multi-site long-term quarterly/annual groundwater monitoring program.
- Amoco; Multiple Sites, MI: Project manager/certified UST professional for multi-site long-term quarterly/annual groundwater monitoring and free product recovery programs.

Petroleum Project Experience:

- Troy School District Transportation Department; Troy, MI: Certified UST Professional for Leaking UST investigation, contaminated groundwater investigation, risk assessment (RBCA), reporting (Initial Assessment and Closure reports).
- State of Michigan, Department of Management and Budget; Flint State Office Building, Flint, MI: Certified UST Professional and project manager for UST removal and Leaking UST investigation, risk assessment (RBCA), and closure project. Conducted on an expedited basis to prevent release from adversely impacting existing construction project schedule.
- Charter Township of West Bloomfield; Fire Station No. 2, West Bloomfield, MI: Certified UST Professional and project manager for Underground Storage Tank removal, Leaking Underground Storage Tank investigation, and unrestricted residential RBCA closure.
- Mobil Oil Corporation; Multiple Sites, MI: Project manager/certified UST professional for site investigations, RBCA risk assessments, and site closures/delisting.
- State of Michigan, Department of Environmental Quality; Mercury Manufacturing Site, River Rouge, MI: Project manager for Leaking Underground Storage Tank Acute Risk Abatement Project. Extensive investigation and remediation of free product.
- City of Ann Arbor, DPW: Broadway Bridges Contamination Assessment: Managed investigation of petroleum migration in right-of-way areas. Evaluated effect of contamination on proposed route of drinking water supply utility.
- Coca-Cola Enterprises North; Multiple Sites, MI: Project geologist for investigation and remediation of leaking UST plumes via soil excavation and thermal destruction.
- Birmingham Cleaners; Birmingham, MI: Project manager for removal of two diesel USTs and closures in place of two solvent USTs, including regulatory reporting and on-site supervision of confined space entry and cleaning of USTs.
- State of Michigan, Department of Environmental Quality; Berrien County, MI: Project manager/certified UST professional for investigations/acute risk abatement of drinking water impact from abandoned former gasoline station.
- American Hospitality Concepts; Carmel, IN: Project manager for the removal of regulated UST at this extended care facility. Developed sampling plan and oversaw confirmation sampling. Developed a strategy for closure and obtained approval of the closure report from IDEM.

DONALD C. KAYLOR, PG (IN, TN), CP (MI), EP, Cont.

SAMPLING OF PROJECTS: Cont.

- National Steel; Zug Island, MI: Project manager/certified UST professional for multi-site investigations, RBCA risk assessments, and long term monitoring. Recovered several thousand gallons of free product.
- West Lake Landfill; St. Louis, MO: Project geologist for RI/FS investigation and risk assessment of radioactive waste disposal site, including development of ARARs.

Brownfields Project Experience:

- Private Developer & the City of Warren; Former Equipment Manufacturing Inc. Site, Warren, MI: Assessed site conditions and prepared Brownfields Investigation Work Plan for review and approval by Michigan DEQ under Site Reclamation. Coordinated with city personnel, site developer, and DEQ to facilitate redevelopment of a contaminated former heavy industrial property and ensure compliance with reimbursement/brownfield credits requirements.

Compliance/Health & Safety Project Experience:

- Grand Ledge Public Schools; Grand Ledge, MI: Manager and Senior Reviewer for Environmental Health and Safety Management program development. Supervised in-district review of current Environmental Health and Safety Management plans (e.g., personal protective equipment, playground safety management, medication disposal). Researched current regulations and guidance. Deliverables included compliance plans, informational summaries, website postings, and training materials. Managed annual training sessions for school employees.

Hazardous Substances Project Experience:

- Marysville Public Schools; Middle School, Marysville MI: Manager and Senior Technical Reviewer for Science Waste Drain Line Assessment and Remediation. Provided rapid response assessment of impact (to soil/groundwater and health and safety issues for workers/students) from the release of hazardous waste material that originated in chemistry classrooms. Waste characterization/disposal assistance, bid spec preparation, remediation design and contractor supervision, mercury vapor monitoring, verification of soil remediation, client consultation, and documentation. Consulted on exceedances at outfalls to sanitary sewers, and facilitated Client interaction with wastewater treatment plant officials to resolve regulator concerns.
- Neumann Smith & Associates; Oak Pointe Church, Novi, MI: Conducted investigation of arsenic impacted soil prior to site redevelopment. Performed drilling and soil sampling, statistical data evaluation, and report preparation.
- Mass Transit Authority; Flint, MI: Project manager for investigation of limited risk assessment of arsenic impacted soil that was scheduled to be removed from various project locations. Performed soil sampling, data evaluation, risk assessment, and risk management consulting regarding worker health and safety and waste relocation issues during a large transportation improvement project.

TECHNICAL SOCIETY AFFILIATIONS:

Michigan Association of Environmental Professionals, President (2012-present), Vice-President (2009-2012), & Board Member (2007-2009)

Testing Engineers & Consultants, Inc.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN**

**TEC REPORT 54072
DECEMBER 11, 2013**

**APPENDIX B
PHOTOGRAPHS**



Photograph No. 1 North and west-facing sides of Subject Property building. Looking southeast from W 12 Mile Rd.



Photograph No. 2 South and east-facing sides of Subject Property building. Looking northwest from east-adjointing site.



Testing Engineers and Consultants, Inc.
1343 Rochester Rd
Troy, MI 48063-6015

Phase I ESA
25899 W 12 Mile Rd
Southfield, MI

TEC Project: 54072
Date Taken: 2013-11-25
Taken by: D. Kaylor

Photographs
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Photograph No. 3 Pad-mounted electrical transformer located along eastern edge of property, looking south.



Photograph No. 4 Solid waste receptacle ('dumpster') in fenced area located at rear (south end) of Subject Property, looking southeast.



Testing Engineers and Consultants, Inc.
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Troy, MI 48063-6015

Phase I ESA
25899 W 12 Mile Rd
Southfield, MI

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Photograph
No. 5

Typical exterior stormwater catch basin.



Photograph
No. 6

Building entrance/foyer and outside approach to entrance, looking down from second floor common area.



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Photograph
No. 7

Typical storage of small quantities of maintenance materials and cleaning chemicals in janitor's closet.



Photograph
No. 8

Typical floor drain in janitor's closet.



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Photograph No. 9 Compressor with minor oil staining on floor. Furnace visible in left side of photograph.



Photograph No. 10 Older compressor tank connected to first tank by piping, minor oil staining on floor; floor penetration/drain.



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**Photograph
No. 11** **Typical occupied office space.**



**Photograph
No. 12** **Typical un-occupied office space.**



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Troy, MI 48063-6015

Phase I ESA
25899 W 12 Mile Rd
Southfield, MI

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**Photograph
No. 13**

Typical common area hallway in Subject Property building.



**Photograph
No. 14**

Maintenance/repair materials and chemicals in un-occupied office space.



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25899 W 12 Mile Rd
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Photograph No. 15 **Water-damaged ceiling in elevator equipment room.**



Photograph No. 16 **Typical common washroom with floor drain.**



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Phase I ESA
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Photograph
No. 17

East-adjointing medical office building (Willow Oak Professional Mall) with multi-family residential building in background. Looking northeast from south end of Subject Property.



Photograph
No. 18

North-adjointing residential properties, looking northwest across W 12 Mile Rd from northeast corner of Subject Property.



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Troy, MI 48063-6015

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25899 W 12 Mile Rd
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Photographs
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Photograph No. 19 North/northwest-adjointing office property, looking north across W 12 Mile Rd from northwest corner of Subject Property.



Photograph No. 20 West-adjointing wooded property, looking east from Subject Property. Picnic tables are likely used by Subject Property tenants, but appear to be located on west-adjointing site.



Testing Engineers and Consultants, Inc.
1343 Rochester Rd
Troy, MI 48063-6015

Phase I ESA
25899 W 12 Mile Rd
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Photograph
No. 21

West side of Subject Property with west-adjoining wooded property at left. Looking north from near southwest corner of Subject property building.



Photograph
No. 22

Stormwater drain at boundary between western side of Subject Property and west adjoining wooded property. Looking southeast.



Testing Engineers and Consultants, Inc.
1343 Rochester Rd
Troy, MI 48063-6015

Phase I ESA
25899 W 12 Mile Rd
Southfield, MI

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Photograph No. 23 **Rear (north-facing side) of vacant commercial building on south-adjointing property. Looking south from southwest corner of Subject Property.**



Photograph No. 24 **Pole-mounted electrical transformers in utility easement at rear (south edge) of Subject Property. Looking southwest from near southwest corner of Subject Property.**



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25899 W 12 Mile Rd
Southfield, MI

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Photograph No. 25 Southeast-adjointing office property, looking south east from Subject Property.



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Testing Engineers & Consultants, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN

TEC REPORT 54072
DECEMBER 11, 2013

APPENDIX C

USER QUESTIONNAIRE & USER-PROVIDED INFORMATION



USER QUESTIONNAIRE
For Phase I Environmental Site Assessments
Testing Engineers & Consultants, Inc.

Project Name Northwestern Twelve Building

TEC Project 54072

Subject Property Address 25899 W 12 Mile Rd, Southfield, MI 48034

User Contact Name Sheila Konanur	User's E-mail sheila@paskon.com
User's Title	User's Phone 248 549-3600
User's Company	User's Fax
User's Address 25925 Telegraph Rd Ste 202, Southfield MI 48033	User's Mobile

User's Relationship to Property:

- ☐ Purchaser/Purchaser's Representative
- ☐ Owner/Owner's Representative
- ☐ Lender
- ☐ Lessee
- ☐ Other:

Purpose of Phase I ESA is to support:

- ☒ Prospective Purchase
- ☐ Potential Sale
- ☐ Refinancing
- ☐ Leasing
- ☐ Insurance/Bonding
- ☐ Other:

Who is the "User"? The User is the party seeking to complete an environmental assessment of the Subject Property (typically, the Client). This questionnaire must be completed by the User of the Phase I ESA, or their designated representative, in order to fulfill "all appropriate inquiry."

This questionnaire outlines the personal knowledge of the User concerning the Subject Property. Substantive knowledge about the Subject Property is not expected of the User, but the questionnaire should be answered to the full extent of the User's knowledge, and is considered a true and accurate account of that personal knowledge. The questionnaire refers to current and historical information regarding the Subject Property, and will be included within the Phase I ESA report prepared by Testing Engineers & Consultants, Inc. (TEC).

Instructions: Please answer all questions! If a question is not applicable or the answer is unknown, please indicate accordingly. Please attach additional pages if more space is needed or if there is further information relevant to the environmental condition of the Subject Property that is not covered in this questionnaire. This questionnaire must be completed before site reconnaissance can be scheduled.

I. GENERAL SUBJECT PROPERTY INFORMATION

List all known addresses, past and present: 25899 W 12 Mile Rd, Southfield, MI 48034	Property Type: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Retail/Office <input type="checkbox"/> Residential <input type="checkbox"/> Other:
List all tax parcel ID numbers and acreages, if known: 76-24-18-226-041	

Current Owner of Record:	
Current Occupant(s): See attached list	Describe Current Operations and/or Use of Subject Property: General Office Building
Former Occupant(s), if known: N/A	Describe Former Operations and/or Use of Subject Property: General Office

II. SUBJECT PROPERTY CONTACTS

In the table below, please provide contact information for the following parties:

- Current owner or owner's representative (e.g. seller's agent)
- A property manager, chief physical plant supervisor, or head maintenance person with good knowledge of current on-site operations
- A representative of each current non-residential occupant
- Former owners/occupants, or others knowledgeable about Subject Property history

Name	Title/Company	Phone/E-mail	Role at Subject Property/Years
ex. John Doe	President ABC Properties	(123) 456-7890 john@abcprop.com	Owner/Owner's rep 12 years
Stanley S. Freeman	Vice-President	(440) 552-4782 stan@transcon builders.com	Prop. Mgr. 12 Years
Former Owners: None			

N.W. 12 Office Building
25899 West Twelve Mile Road
Southfield, Michigan 48034

User Questionnaire
(Phase I Environmental Site Assessments)

Current Occupants:

Tenant	Suite No.
Deezers, Inc.	100
Charles S. Owen	120
Ronald G. Danuloff (Sterling Financial)	130
Lauri Elias	140
Absolute Steel Co., Inc.	150
William Osgood Associates	170
Scheerbert Psychological, PLLC	190
VACANT	200
Wigod & Falzon, P.C.	220
VACANT	250
VACANT	260
MEA TV & Radio, Inc.	300
VACANT	320
VACANT	335
Storage (adjacent to Suite 335)	335
VACANT	340
Garber & Mayers, P.L.L.C.	350
Donald DeLong/David Radner, P.C.	380

III. ASTM E 1527-05 X.3 USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the User must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is incomplete.

This form is an interview and the User has an obligation to answer all questions in good faith, to the extent of the User's actual knowledge. Please attach additional pages as necessary for explanation, and identify supplemental materials by number.

1. Are you aware of any environmental cleanup liens that are filed or recorded against the Subject Property under federal, tribal, state, or local law? (40 CFR 312.25)

☐ Yes (if checked, please explain)

☒ No

2. Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the Subject Property and/or have been filed or recorded in a registry under federal, tribal, state, or local law? (40 CFR 312.26)

☐ Yes (if checked, please explain)

☒ No

3. As the User of this ESA, do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? (40 CFR 312.28)

☒ Yes (if checked, please explain)

☐ No

Building used for general office. No environmental issues have ever been related to this Property.

4. (a) Does the purchase price being paid for the Subject Property reasonably reflect the fair market value of the Subject Property? (40 CFR 312.29)

☒ Yes

☐ No (if checked, please explain)

☐ N/A

(b) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Subject Property?

☐ Yes (if checked, please explain)

☐ No

☒ N/A

5. Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (40 CFR 312.30) For example:

(a) Do you know the past uses of the Subject Property?

☒ Yes (if checked, please explain)

☐ No

General office - no environmental issues

(b) Do you know of specific chemicals that are present or were once present at the Subject Property?

☐ Yes (if checked, please explain)

☒ No

Excluding normal, approved cleaning solutions commonly used in office buildings.

(c) Do you know of spills or other chemical releases that have taken place at the Subject Property?

☐ Yes (if checked, please explain)

☒ No

(d) Do you know of any environmental cleanups that have taken place at the Subject Property?

☐ Yes (if checked, please explain)

☒ No

6. As the User of this ESA, based on your knowledge and experience related to the Subject Property, are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property? (40 CFR 312.31)

☐ Yes (if checked, please explain)

☒ No

7. As the User of this ESA, do you know of
- (a) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property;
 - (b) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; or
 - (c) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? (ASTM E 1527-05 §10.9)
- ☐ Yes (if checked, please explain) ☒ No

IV. HELPFUL DOCUMENTS CHECKLIST

Pursuant to ASTM E 1527-05 §10.8, please indicate if any of the following documents have been prepared for the Subject Property:

- ☐ Phase I Environmental Site Assessments (ESAs)
- ☐ Phase II ESAs or other investigations of site soil/groundwater
- ☐ Baseline Environmental Assessments (BEAs)
- ☐ Due Care Plans (Section 7a Compliance Analyses)
- ☐ Reports or other documentation of any environmental remediation activities conducted to date, such as excavation of impacted soils
- ☐ Spill prevention plans, including Spill Prevention, Countermeasure, and Control (SPCC) and/or Pollution Incident Prevention (PIP) Plans
- ☐ Storm Water Pollution Prevention (SWPP) Plans
- ☐ Environmental permits (e.g., solid waste disposal, hazardous waste disposal, wastewater, NPDES, underground injection, etc.)
- ☐ Underground/aboveground storage tank (UST/AST) registrations
- ☐ Underground injection system registrations
- ☐ Hazardous waste generation notices, reports, and/or disposal manifests
- ☐ Material safety data sheets (MSDS) and/or hazardous materials inventories
- ☐ Integrated Contingency Plans or other emergency response plans and risk assessments
- ☐ Toxic Chemical Release Inventory or other "Community Right-to-Know" (RTK) reporting
- ☐ Environmental compliance audit or regulatory inspection reports
- ☐ Geotechnical or hydrogeologic studies
- ☐ Notices or other correspondence from governmental agencies relating to past or current violations of environmental laws with respect to the Subject Property or relating to environmental liens encumbering the Subject Property

Testing Engineers & Consultants, Inc.
Project:

PHASE I ESA
USER QUESTIONNAIRE

- ☐ Recorded activity and land use limitations (AULs)
☐ Other environmental or relevant reports (describe):

Copies of previous Phase I/II ESAs and existing BEAs for the Subject Property, along with any underground storage tank records, should be provided to TEC for review as soon as practicable. These documents are likely to contain key details concerning the environmental condition and history of the Subject Property. If a potential environmental issue has already been addressed, we need to know!

V. RECORDED LAND TITLE RECORDS

It is a User responsibility to engage a title company or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records. Any environmental liens or activity and use limitations recorded against or relating to the property shall be reported to the environmental professional conducting this assessment.

Name of Title Company

Please indicate the outcome of the title company's review:

- ☒ No environmental liens or AULs relating to the Subject Property were found.
☐ The title company discovered environmental liens or AULs relating to the Subject Property.

Please describe and attach supporting documentation:

- ☐ The User has not yet engaged a title company, or the review is still in progress. By checking this box, the User indicates their understanding that this is a User responsibility.

Will a copy be provided to TEC for review and inclusion in the Phase I ESA report?

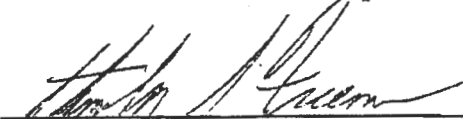
- ☒ Yes ☐ No

VI. SIGNATURES

As a representative of the User of this Phase I ESA, I have answered this questionnaire in good faith and to the extent of my actual knowledge of the Subject Property.

Stanley S. Freeman

Name of Authorized User Representative



Signature of Authorized User Representative

Vice-President

Title of Authorized User Representative

November 26, 2013

Date



ALTA Commitment Form

COMMITMENT FOR TITLE INSURANCE

Issued by

First American Title Insurance Company

First American Title Insurance Company, a California corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate six (6) months after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

This Commitment shall not be valid or binding until countersigned by a validating officer or authorized signatory.

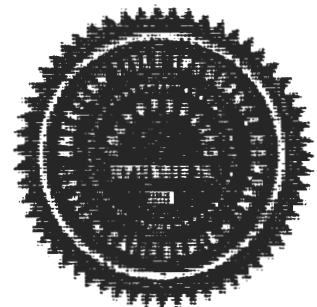
IN WITNESS WHEREOF, First American Title Insurance Company has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A.

First American Title Insurance Company

BY  PRESIDENT

ATTEST  SECRETARY

COUNTERSIGNED BY:  _____



CONDITIONS

1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions and Stipulations.
3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and Stipulations and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
5. *The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at <http://www.walta.org/>.*

COMMITMENT FOR TITLE INSURANCE

SCHEDULE A

Date Issued: December 10, 2013

Commitment No: **1552598**

Other Reference No:

Property Address: **25899 West 12 Mile Road, Southfield, MI 48075**

Name and Address of
Title Insurance Company: **First American Title Insurance Company
1 First American Way
Santa Ana, CA 92707**

1. Effective Date: November 25, 2013 at 8:00 AM

2.	The policy or policies to be issued are:	POLICY AMOUNT
(a)	Owner's Policy (ALTA Owners 06/17/06) Proposed Insured: MAK 12 Mile Real Estate Investment holdings LLC, a Michigan limited liability company	\$1,725,000.00
(b)	Loan Policy (ALTA Loan 06/17/06) Proposed Insured: To Be Determined	\$1,190,000.00

3. The estate or interest in the land described or referred to in this Commitment is Fee Simple.

4. Title to the Fee Simple estate or interest in the land is at the Effective Date vested in:

N.W. Twelve Limited Partnership and N.W. Twelve Limited Partnership, a Michigan limited partnership,

SOURCE OF TITLE: LIBER 9435, Page 232 and LIBER 9237, Page 772
Recorder's Office Oakland County, Michigan.

(Continued on second page)

**First American Title Insurance
Company**

**This Commitment is invalid unless
the Insuring provisions and
Schedules A and B are attached.**

**Issuing agency:
Title First Agency, Inc.
6641 N. High St.
Suite 202
Worthington, OH 43085**

ALTA CF (06/17/06)

Continuation of Schedule A

Name and Address of Title Insurance Company:

First American Title Insurance Company

1 First American Way

Santa Ana, CA 92707

5. The land referred to in this Commitment is described as follows:

Part of the West 200 feet of the Northeast Quarter of the Northeast Quarter of Section 18, Town 1 North, Range 10 East, City of Southfield, County of Oakland, State of Michigan, being more fully described as:

Commencing at the Northeast corner of Section 18; thence South 89° 53' 45" West along the North line of Section 18, 327.60 feet and due South 60 feet to the Point of Beginning; thence from said Point of Beginning due South 375.60 feet; thence South 89° 53' 45" West, 200.00 feet; thence due North, 375.60 feet; thence North 89° 53' 45" East, along the proposed Twelve Mile Road Right-of-Way line, 200.00 feet to the Point of Beginning.

Commonly Known as: 25899 W. Twelve Mile Road, Southfield, MI.

Parcel Identification No.: 76-24-18-226-041

COMMITMENT FOR TITLE INSURANCE

SCHEDULE B - SECTION I

Commitment No: **1552598**

Requirements:

1. Payment to or for the account of the grantors or mortgagors of the full consideration for the estate or interest, mortgage or lien to be issued.
2. General Warranty Deed from N.W. Twelve Limited Partnership, a Michigan limited partnership to MAK 12 Mile Real Estate Investment Holdings LLC, a Michigan limited liability company conveying the real property described in Schedule A herein.
3. Mortgage from MAK 12 Mile Real Estate Investment Holdings LLC, a Michigan limited liability company to lender To Be Determined in the amount of \$1,190,000.00 encumbering the real property described in Schedule A herein.
4. Assignment of Purchase Agreement from Paskon, Inc., a Michigan corporation to MAK 12 Mile Real Estate Investment Holdings LLC, a Michigan limited liability company.
5. Termination of the tenancy of existing tenant MEA TV & Radio, Inc.
6. With regard to N.W. Twelve Limited Partnership ("N.W. Twelve"), the following is required:
 - A. A full, complete and executed copy of N.W. Twelve's limited partnership agreement, together with any and all amendments thereto;
 - B. A copy of a recent Certificate of Good Standing for N.W. Twelve issued by the Secretary of State (or equivalent) from jurisdiction of formation or Ohio;
 - C. Resolution of the Board of Directors of TransCon Builders, Inc., General Partner of N.W. Twelve authorizing the transaction and identifying and the officer(s) authorized to execute and deliver the instruments required to consummate the transaction which is the subject of this Commitment.
7. Title first requires the following documents from MAK 12 Mile Real Estate Investment Holdings LLC, a Michigan limited liability company ("MAK 12"):
 - A. A Certificate of Good Standing for MAK 12 issued by the Secretary of State (or equivalent) from the jurisdiction of formation or Ohio;
 - B. Resolution signed by all members of MAK 12 authorizing the purchasing of and the financing of the real property described in Schedule A and identifying the member(s) authorized to execute and deliver the instruments necessary to consummate the transaction which is the subject of this commitment.
8. The current owner of the property must execute and deliver to the Company an affidavit which in the Company's judgment is sufficient in both form and content to identify:
 - A. taxes, assessments or other charges now or to be a lien on the subject real estate;
 - B. the occurrence of any event which could give rise to any lien, or right to a lien, for services, labor, or material furnished, imposed by law and not shown by the public records.
 - C. encumbrances other than those set forth herein;
 - D. off-record or undisclosed legal or equitable interests;

- E. encroachments;
- F. easements, or claims of easements, not shown by the public records;
- G. rights or claims of parties in possession not shown by the public records;
- H. other matters appropriate to an off-record matter affidavit used in the jurisdiction of the subject premises.

9. Termination of Financing Statement(s) as shown on Schedule B, Section 2.

10. NOTE: "Your attention is directed to the provisions of the Tax Reform Act of 1986 which require the reporting of real estate transactions to the Internal Revenue Service. All real estate transactions (except for refinances) closed after January 1, 1987 must be reported on a Form 1099-B which must be completed in full at the time of closing."

COMMITMENT FOR TITLE INSURANCE

SCHEDULE B - SECTION II

Commitment No: 1552598

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

STANDARD EXCEPTIONS

1. Any facts, rights, interests, or claims that are not shown in the public records but that could be ascertained by an inspection of the land or by making inquiry of persons in possession of the land.
2. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title including discrepancies, conflicts in boundary lines, shortage in area, or any other facts that would be disclosed by an accurate and complete land survey of the land, and that are not shown in the public records.
3. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown in the public records.
4. Rights of parties in possession of all or any part of the premises, including, but not limited to, easements, claims of easements or encumbrances that are not shown in the public records.
5. The lien of real estate taxes or assessments imposed on the title by a governmental authority that are not shown as existing liens in the records of any taxing authority that levies taxes or assessments on real property or in the public records.

SPECIAL EXCEPTIONS

6. Taxes and assessments for the year 2013 and subsequent years.
7. Taxes for Tax ID No.: 76-24-18-226-041 in the name of N.W. Twelve Limited Partnership are as follows:

2013 Summer Taxes in the amount of \$49,873.77 were Paid on 08/31/2013.

2013 Winter Taxes in the amount of \$14,756.41 are Unpaid, due and payable on 12/01/2013.

Taxable Value: \$1,024,000.00; Assessed Value and State Equalized Value: \$1,056,620.00

8. Easement for ditch over captioned land as disclosed by Mortgage Survey No. 85175 by ZEIMET WOZNIAK dated March 11, 1986.

NOTE: Pertaining to the covenants and restrictions, if any, described in Schednle B of this Commitment/Policy, the following is expressly omitted therefrom: any covenant or restriction based on race, color, religion, sex, handicap, familial status or national origin unless and only to the extent that such covenant (a) is exempt under Chapter 42, Section 3607 of the United States Code or (b) related to handicap but does not discriminate against handicapped persons. Any covenant and restriction, or any part thereof, omitted as described above shall in no

event be construed as forming a part of this Commitment/Policy, Schedule B of this Commitment/Policy or as an existing covenant and restriction disclosed by the public records.

NOTE: No liability is assumed by Company for uncertified encumbrances and the purchase contract shall be binding unless the contract is silent or ambiguous. If the contract is silent or ambiguous, the buyer assumes the risk.



The First American Corporation
First American Title Insurance Company
Privacy Policy

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information – particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our parent company, The First American Corporation, we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information which you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values, a copy of which can be found on our website at www.firstam.com.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies, and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies, or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's *Fair Information Values*. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Source Of Title Deed(s)



www.titlefirst.com

JULY 1st 1986

QUIT-CLAIM DEED, Book Form, Standard Form No. 422 (Revised 4/83)

Printed in U.S. Patent Office
Under authority of the Secretary of the Interior

9435 252 QUIT-CLAIM DEED *

86 9435

TransCon Builders, Inc., a
Ohio Corporation
25250 Rockside Road, Bedford Heights, Ohio
for valuable consideration paid, grants to N.W. Twelve Limited Partnership

whose tax-mailing address is:

25250 Rockside Road, Bedford Heights, Ohio 44146

the following REAL PROPERTY: Situated in the County of Oakland in the State
Michigan
of Southfield City in Southfield

The west 200 feet of the east 527.6 feet of the north 435.6 feet of the
northeast 1/4 of Section 18, Town 1, Range 10 east.

Tax Map No. 24-18-226-041A.C.

The within deed is given to convey the interest of TransCon Builders,
Inc. as vendee in a Land Contract, dated September 25, 1985, and
recorded in the Office of the Recorder of Deeds for the County of Oakland,
Michigan, Book 9435, Page 252.

Part of the West 200 feet of the Northeast 1/4 of the Northeast 1/4 of Section
18, Town 1 North, Range 10 East, City of Southfield, Oakland County, Michigan
being more particularly described as: Commencing at the Northeast corner of
Section 18, thence South 89 degrees 53 minutes 45 seconds West along the North
line of Section 18, 327.60 feet and due South 60.00 feet to the point of beginning.
Thence from said point of beginning due South 375.60 feet; thence South 89 degrees
53 minutes 45 seconds West 200.00 feet; thence due North, 375.60 feet; thence
North 89 degrees 53 minutes 45 seconds East along the proposed Twelve Mile Road
Right-of-Way line, 200.00 feet to the point of beginning.

Prior Instrument Reference: Vol. Page of the Deed Records of

County: Michigan

Given and acknowledged to me by the within our hands this 17th day
of December, 1985.

Signed and acknowledged in the presence of:

Howard S. Chapman
Witness: Brenda R. Seales
Howard S. Chapman
Witness: Howard S. Chapman

TRANSCON BUILDERS, INC.
Fred Reapka
Fred Reapka, President
Martin Liston
Martin Liston, Secretary

State of Ohio:

County of Cuyahoga

BE IT REMEMBERED That on this 17th day of December, 1985, before me,
the subscriber, a Notary Public in and for said county, personally came, Fred Reapka,
President and Martin Liston, Secretary of TransCon Builders, Inc. the Grantor(s) in the
foregoing Deed, and acknowledged the signing thereof to be their voluntary act and deed.

IN TESTIMONY THEREOF, I have hereunto subscribed my name and affixed my seal on this day

and year aforesaid.
Howard S. Chapman
HOWARD S. CHAPMAN, Notary Public
My Commission Expires December 31, 1987

This instrument was prepared by Howard S. Chapman, Attorney at Law, 25250 Rockside
Road, Bedford Heights, Ohio 44146, (216) 439-3600

1. Name of Grantor(s) and State of Ohio.
2. Description of land to be granted, including acreage, section, town and range, if any.
3. Date when instrument was recorded.
4. Reference to the deed or deeds of the United States of Ohio.

Author's and Secretary's Signatures

Return to: Survey Title Pickup: Attention: Carl

7 51702

Ok

1 See Index DEEDS, City of Bedford Heights
536-224

JUL 01 1986

JAN. 9 1985

Lawyers Title Insurance Corporation

MIN 9237 Rev 772

85 3553

Form 561 4-75

WARRANTY DEED - Standard Form
CL 1984, JAN 1981 M.S.A. 26.571

KNOW ALL MEN BY THESE PRESENTS: That Thomas A. Warmus and Nancy K. Dailey,
his wife
whose address is P.O. Box 300, Southfield, Michigan

Convey(s) and Warrant(s) to N.W. Twelve Limited Partnership, a Michigan
limited partnership
whose address is 25250 Rockside Road, Cleveland, Ohio 44146

The following described premises situated in the City of Southfield
County of Oakland and State of Michigan, to-wit:

The west 200 feet of the east 527.6 Feet of the north 435.6 feet
of the northeast 1/4 of Section 18, Town 1, Range 10 east

Tax Item No. 24-18-226-017
24-18-226-018

For the full consideration of Five Hundred Thousand (\$500,000.00) Dollars
subject to This Deed is given pursuant to a Land Contract dated September 24,
1985 between Thomas A. Warmus and Nancy K. Dailey, his wife, as
Sellers, and Transcon Builders, Inc., as Purchaser, and is subject
to acts of persons other than the grantors subsequent to that date.

Dated this 9th day of January

1985

Witnessed

Signed and Sealed

Anna M. Charbonneau
Anna M. Charbonneau
Denise A. Deiderian
Denise A. Deiderian

Thomas A. Warmus (L.S.)
Thomas A. Warmus
Nancy K. Dailey (L.S.)
Nancy K. Dailey, his wife

STATE OF MICHIGAN

COUNTY OF Oakland

The foregoing instrument was acknowledged before me this 8th day of January 1985
by Thomas A. Warmus and Nancy K. Dailey, his wife

My commission expires

DEBORAH A. DEIDERIAN
Notary Public, Wayne County, Michigan
My Commission Expires Dec. 20, 1986

Notary Public

30600 Telegraph Road, Suite 3190
Birmingham, Michigan 48010

Instrument
Deeded by David E. Snyder, Reg.

County Treasurer's Certificate
COUNTY OF OAKLAND
I HEREBY CERTIFY that the above described instrument is a true and correct copy of the original as the same appears in my records.

City Treasurer's Certificate

MICHIGAN
JAN 10 1985
\$500.00

Recording Fee

State Transfer Tax \$50.00

When recorded copy to David E. Snyder
30600 Telegraph Road, Suite 3190
Birmingham, Michigan 48010

Send subsequent tax bills

to Grantee

24-10-226-017
24-18-226-018

Tax Parcel #

49097

JAN 10 1985

11097

Testing Engineers & Consultants, Inc.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN**

**TEC REPORT 54072
DECEMBER 11, 2013**

APPENDIX D
LEGAL DESCRIPTION

Continuation of Schedule A

Name and Address of Title Insurance Company:

First American Title Insurance Company

1 First American Way

Santa Ana, CA 92707

5. The land referred to in this Commitment is described as follows:

Part of the West 200 feet of the Northeast Quarter of the Northeast Quarter of Section 18, Town 1 North, Range 10 East, City of Southfield, County of Oakland, State of Michigan, being more fully described as:

Commencing at the Northeast corner of Section 18; thence South 89° 53' 45" West along the North line of Section 18, 327.60 feet and due South 60 feet to the Point of Beginning; thence from said Point of Beginning due South 375.60 feet; thence South 89° 53' 45" West, 200.00 feet; thence due North, 375.60 feet; thence North 89° 53' 45" East, along the proposed Twelve Mile Road Right-of-Way line, 200.00 feet to the Point of Beginning.

Commonly Known as: 25899 W. Twelve Mile Road, Southfield, MI.

Parcel Identification No.: 76-24-18-226-041

Testing Engineers & Consultants, Inc.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN**

**TEC REPORT 54072
DECEMBER 11, 2013**

APPENDIX E

AERIAL PHOTOGRAPHS

Northwestern Twelve

25899 W 12 Mile Rd

Southfield, MI 48034

Inquiry Number: 3791527.5

November 25, 2013

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography November 25, 2013

Target Property:

25899 W 12 Mile Rd

Southfield, MI 48034

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	Detroit Edison
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	Detroit Edison
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	SEMCOG
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1999	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR



INQUIRY #: 3791527.5

YEAR: 1937

— = 500'





INQUIRY #: 3791527.5

YEAR: 1940

| = 500'





INQUIRY #: 3791527.5

YEAR: 1949

| = 500'





INQUIRY #: 3791527.5

YEAR: 1957

— = 500'



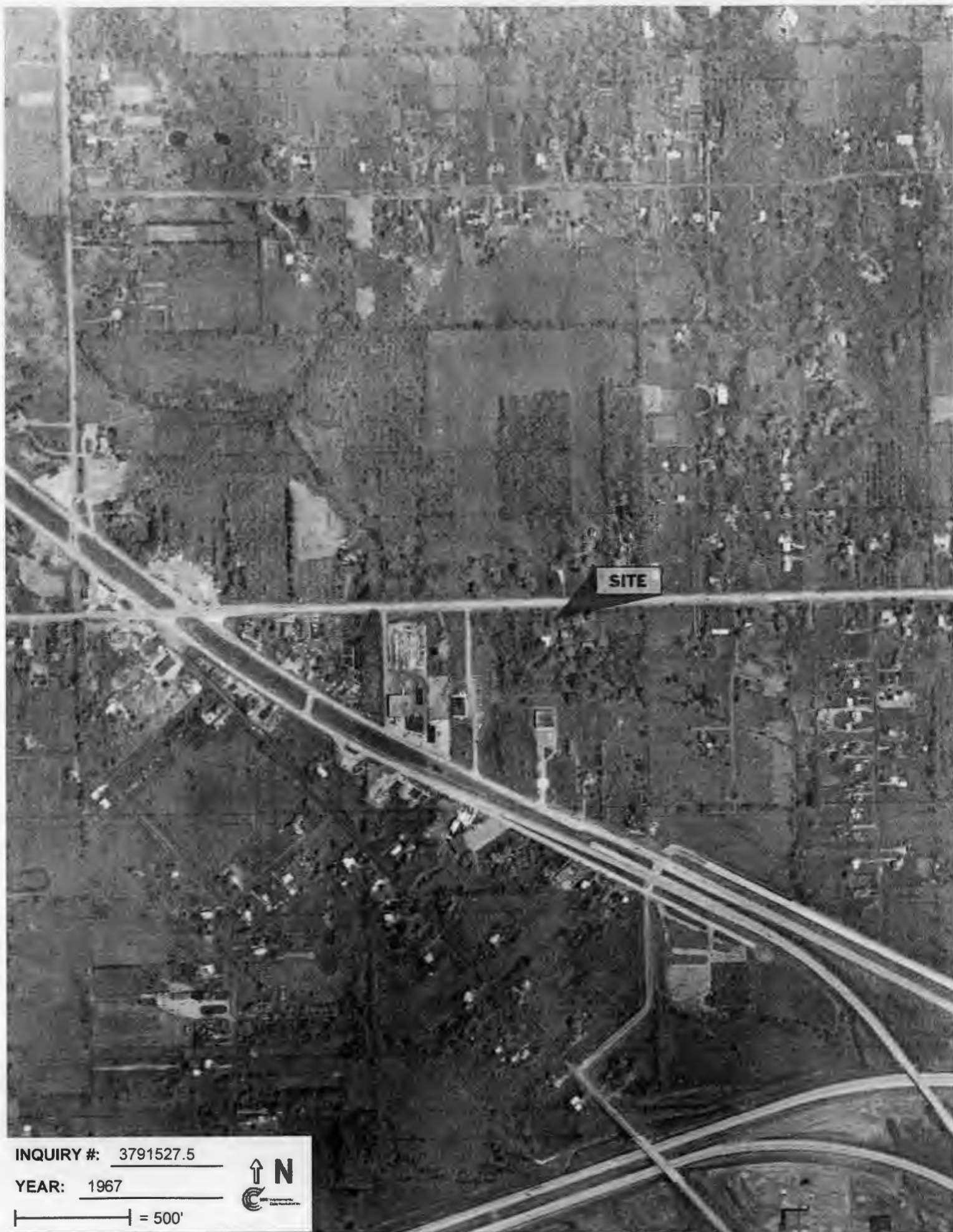


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YEAR: 1961

| = 500'



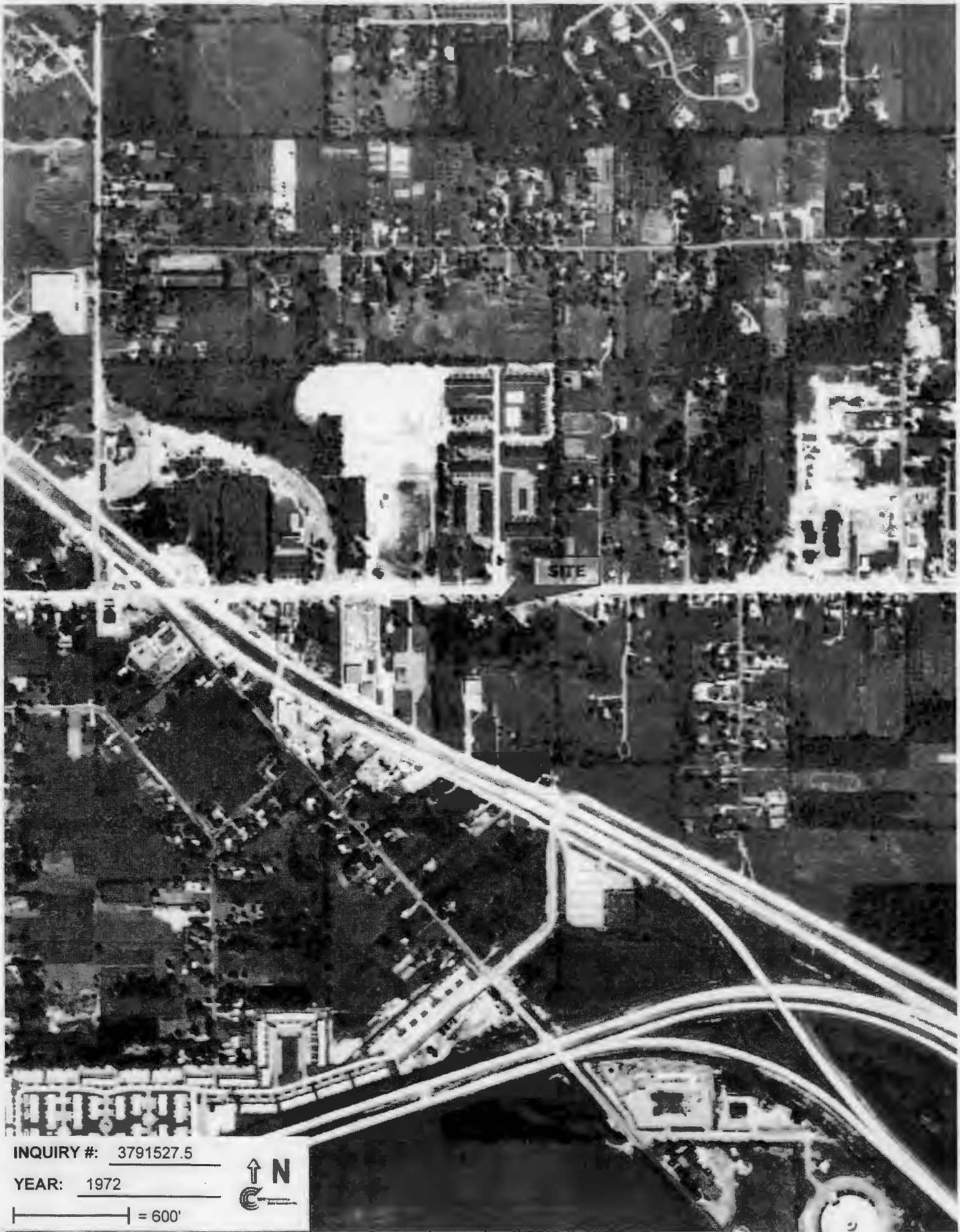


INQUIRY #: 3791527.5

YEAR: 1967

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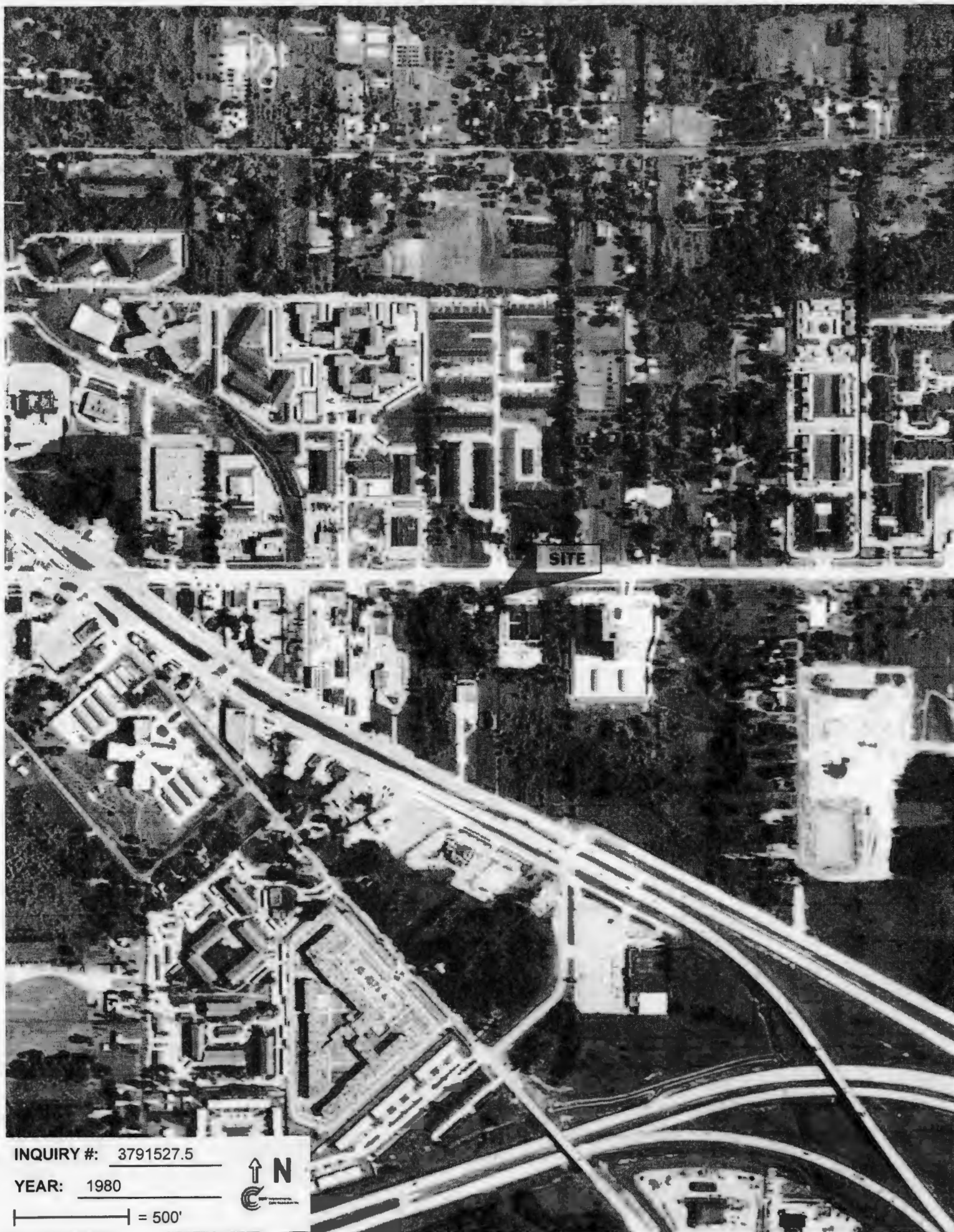


INQUIRY #: 3791527.5

YEAR: 1972

— = 600'





INQUIRY #: 3791527.5

YEAR: 1980

| = 500'



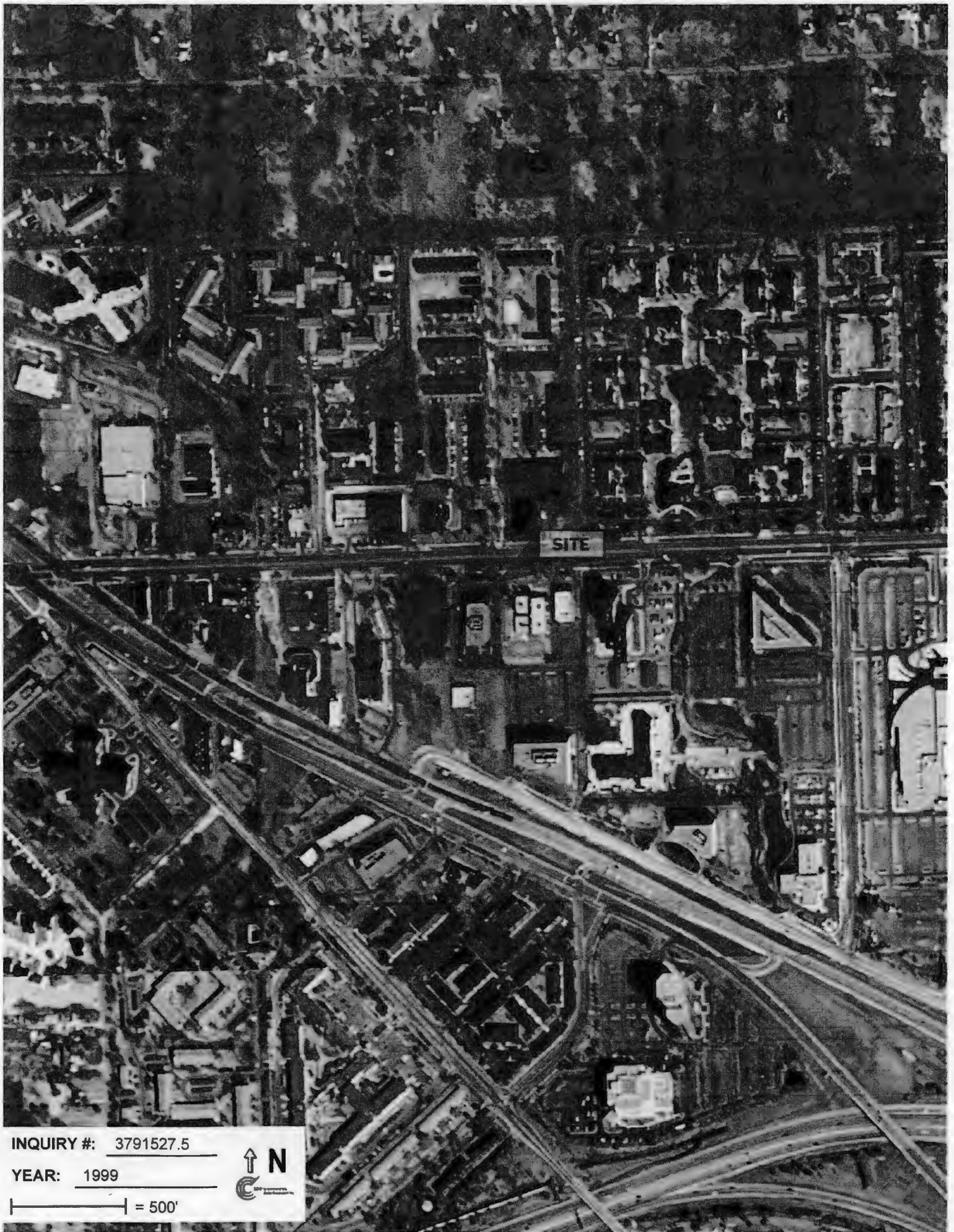


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YEAR: 1993

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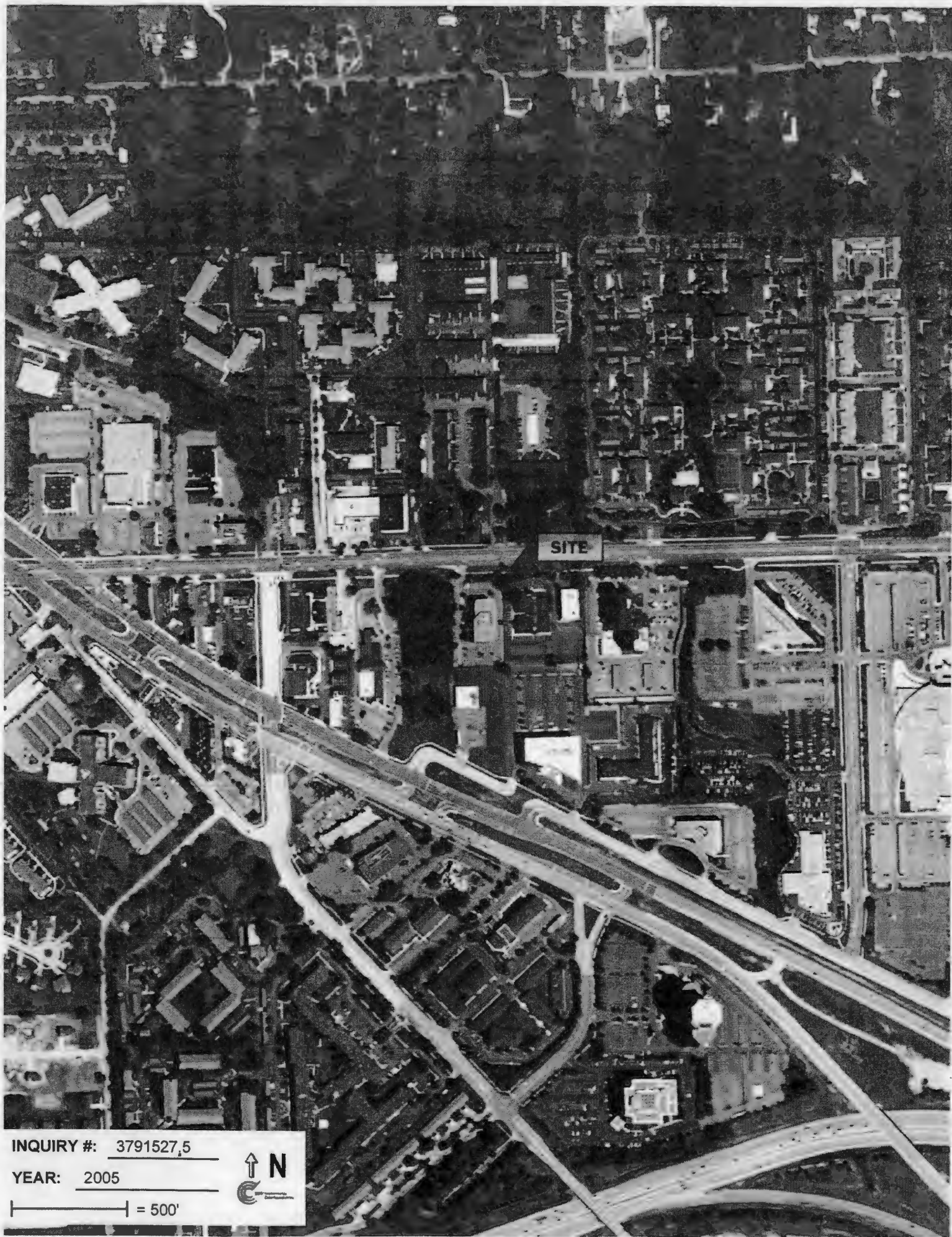


INQUIRY #: 3791527.5

YEAR: 1999

| = 500'



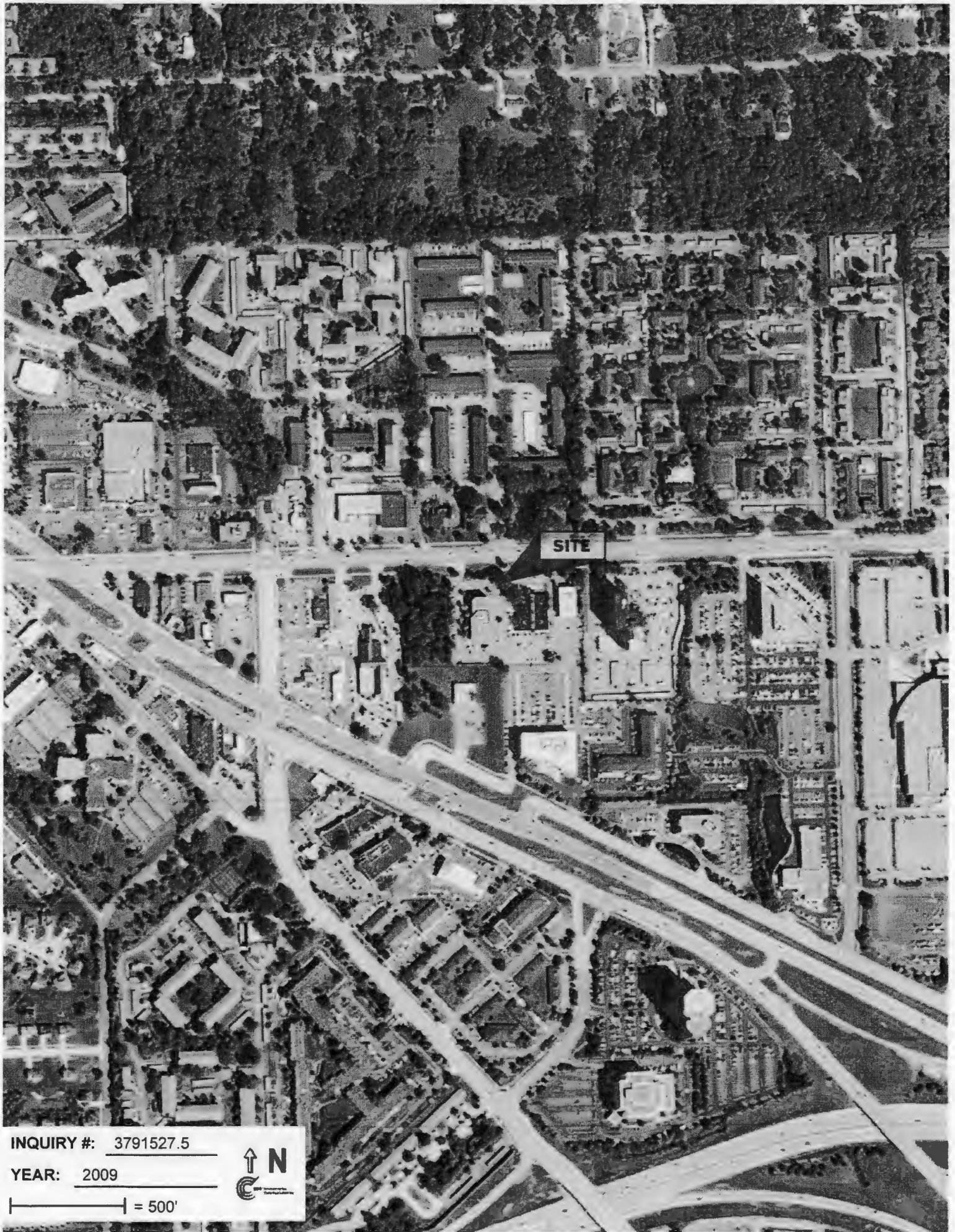


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YEAR: 2005

| = 500'



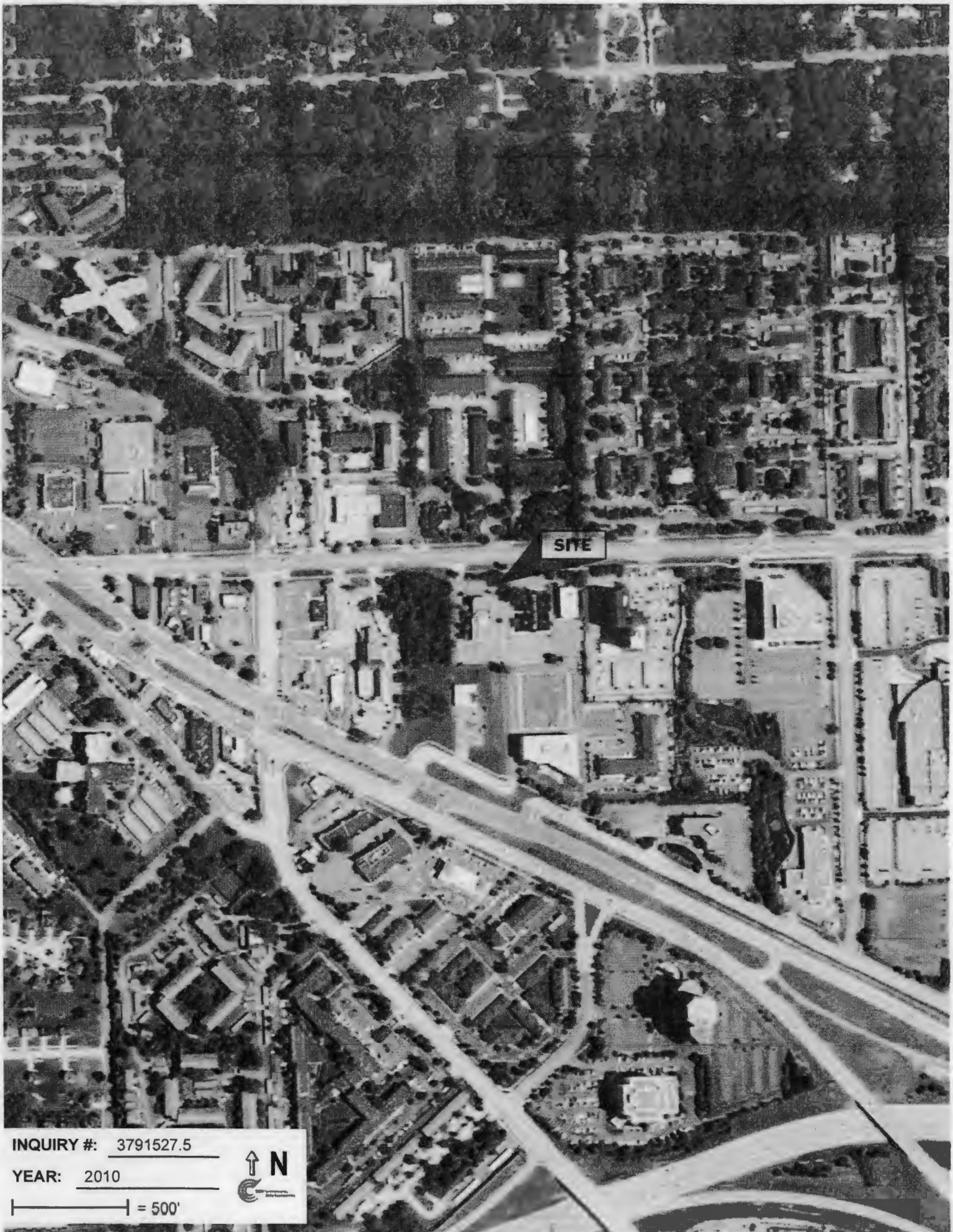


INQUIRY #: 3791527.5

YEAR: 2009

| = 500'



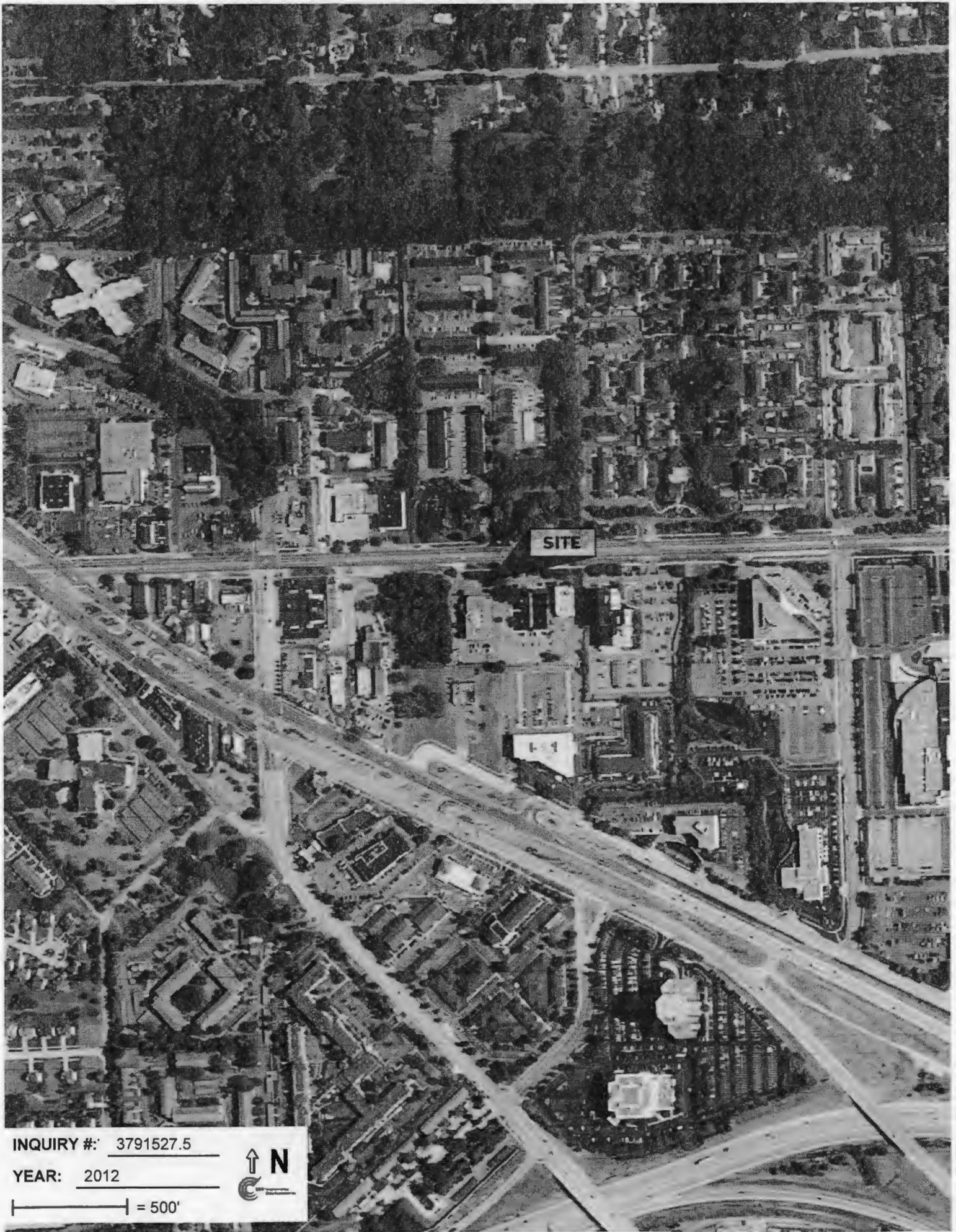


INQUIRY #: 3791527.5

YEAR: 2010

| = 500'





INQUIRY #:' 3791527.5

YEAR: 2012

| = 500'



Testing Engineers & Consultants, Inc.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN**

**TEC REPORT 54072
DECEMBER 11, 2013**

APPENDIX F

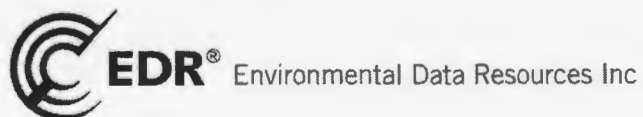
RADIUS MAP (DATABASE) REPORT

Northwestern Twelve

25899 W 12 Mile Rd
Southfield, MI 48034

Inquiry Number: 3791527.2s
November 20, 2013

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrmet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

25899 W 12 MILE RD
SOUTHFIELD, MI 48034

COORDINATES

Latitude (North):	42.5002000 - 42° 30' 0.72"
Longitude (West):	83.3016000 - 83° 18' 5.76"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	310877.2
UTM Y (Meters):	4707668.0
Elevation:	711 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42083-E3 PONTIAC SOUTH, MI
Most Recent Revision:	1997
South Map:	42083-D3 REDFORD, MI
Most Recent Revision:	1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Contaminated Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODL..... Open Dump Inventory

SWRCY..... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODL..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS..... Delisted List of Contaminated Sites

CDL..... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

DOD..... Department of Defense Sites

FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision

UMTRA..... Uranium Mill Tailings Sites

US MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

EXECUTIVE SUMMARY

HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Database
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
PRP.....	Potentially Responsible Parties
LEAD SMELTERS.....	Lead Smelter Sites
WDS.....	Waste Data System
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
Financial Assurance.....	Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting

EXECUTIVE SUMMARY

the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUNOCO INC	28745 NORTHWESTERN HWY WSW 1/8 - 1/4 (0.158 mi.)		B11	16
MY CLEANERS	28830 NORTHWESTERN HWY W 1/8 - 1/4 (0.218 mi.)		C15	19

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 09/01/2013 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FARAH PROP LLC Facility Status: Closed	28745 NORTHWESTERN HWY WSW 1/8 - 1/4 (0.158 mi.)		B9	11
TOTAL #4351 Facility Status: Open	29030 NORTHWESTERN HWY W 1/4 - 1/2 (0.315 mi.)		D17	22
RITE AID PHARMACY Facility Status: Closed	28949 NORTHWESTERN HWY W 1/4 - 1/2 (0.316 mi.)		D19	27
KNIGHT ENTERPRISES INC Facility Status: Open	29009 NORTHWESTERN HWY W 1/4 - 1/2 (0.337 mi.)		D20	29
MEGAN MARY INC Facility Status: Open	29150 NORTHWESTERN HWY WNW 1/4 - 1/2 (0.410 mi.)		21	34

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 09/01/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FARAH PROP LLC	28745 NORTHWESTERN HWY WSW 1/8 - 1/4 (0.158 mi.)		B9	11

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 03/26/2013 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FARAH PROP LLC	28745 NORTHWESTERN HWY WSW 1/8 - 1/4 (0.158 mi.)	B9	11	

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AETNA LIFE INSURANCE COMPANY	28588 NORTHWESTERN HWY SSE 0 - 1/8 (0.112 mi.)	3	8	

DRYCLEANERS: A listing of drycleaning facilities in Michigan.

A review of the DRYCLEANERS list, as provided by EDR, and dated 10/29/2013 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7TH AVENUE	28643 NORTHWESTERN HWY SW 1/8 - 1/4 (0.149 mi.)	B6	10	
MY CLEANERS	28830 NORTHWESTERN HWY W 1/8 - 1/4 (0.218 mi.)	C14	19	

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 08/21/2013 has revealed that there are 2 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7TH AVENUE CLEANERS AT PROMENA	28637-28657 NORTHWESTER SW 1/8 - 1/4 (0.149 mi.)	B4	9	
GNI OF TWELVE MILE, L.L.C.	29030 NORTHWESTERN HIGHW 1/4 - 1/2 (0.315 mi.)	D18	25	

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 3 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	26106 W 12 MILE RD	WNW 0 - 1/8 (0.072 mi.)	A2	7
Not reported	28745 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.158 mi.)	B10	15
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	25505 W 12 MILE RD	E 1/8 - 1/4 (0.217 mi.)	12	18

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	26042 W 12 MILE RD	WNW 0 - 1/8 (0.041 mi.)	A1	7
Not reported	28643 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.149 mi.)	B5	9
Not reported	28657 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.150 mi.)	B7	10
Not reported	28661 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.150 mi.)	B8	11
Not reported	28830 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.218 mi.)	C13	18
Not reported	28807 NORTHWESTERN HWYWSW	1/8 - 1/4 (0.219 mi.)	C16	21

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

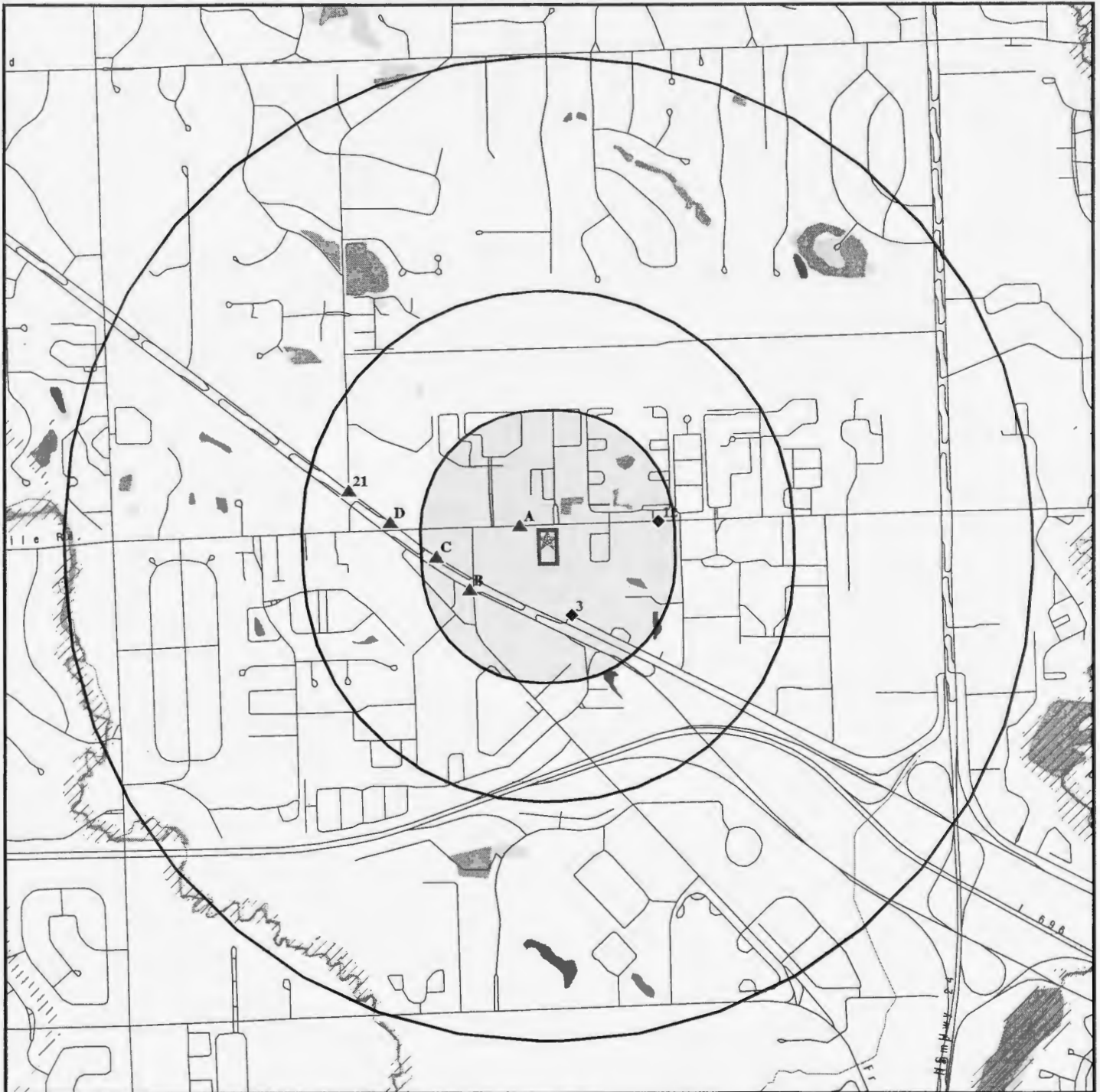
Site Name

ENVIRO-TECH COMPLIANCE SERVICES, I
NORTHWESTERN MIDDLEBELT SHELL
SHELL SERVICE STATION
MARLOS BEAUTY SUPPLY
FIRST RIVERS EDGE LLC
SHOPS ON TWELVE
LOWE'S HOME CENTERS, INC.
AGATTAS LANDFILL

Database(s)

SWRCY
WDS
AUL
LUST, UST
RCRA NonGen / NLR
US BROWNFIELDS, FINDS
BEA
DEL SHWS

OVERVIEW MAP - 3791527.2s



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

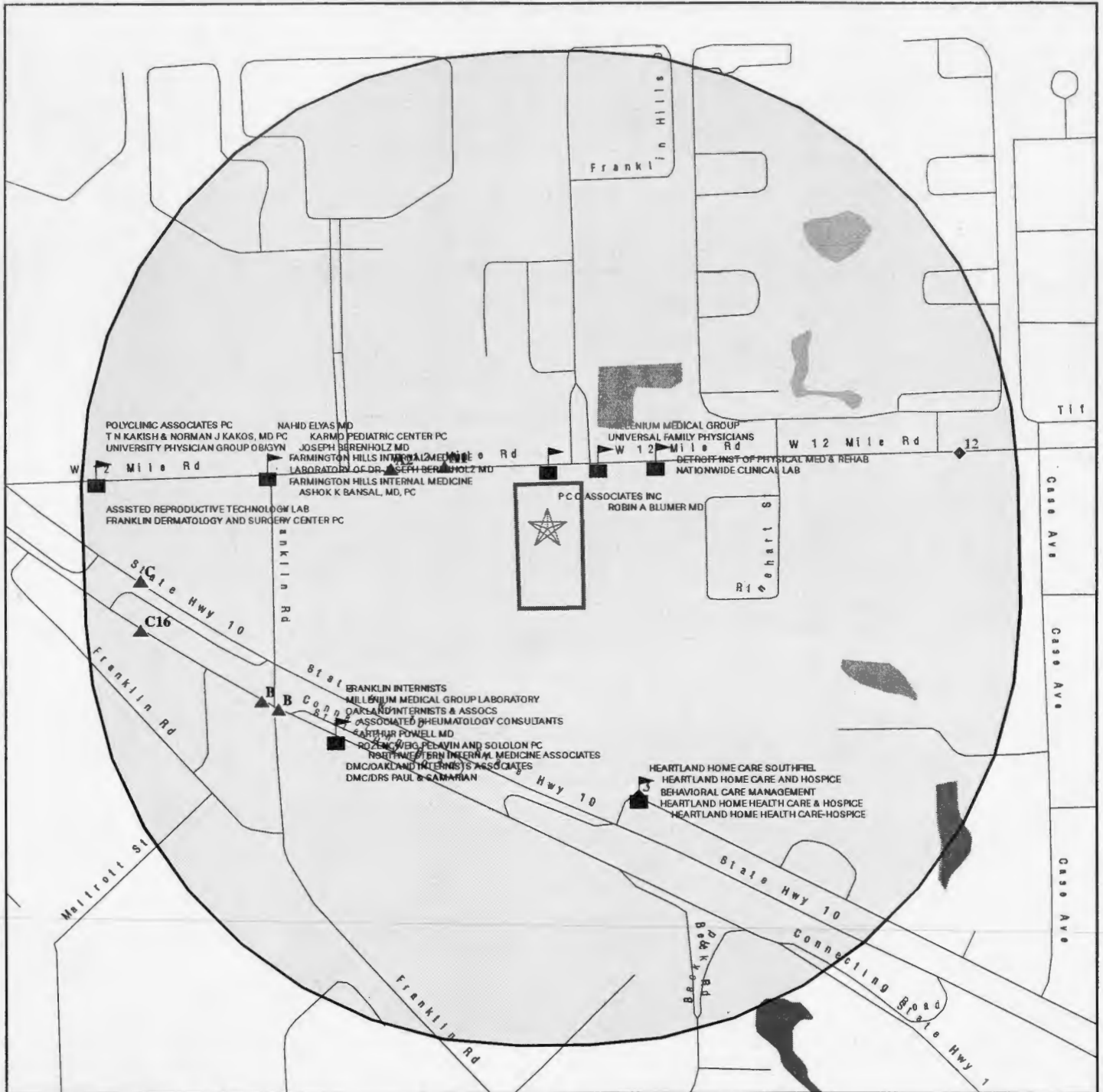
- Indian Reservations BIA
- ▲ Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Northwestern Twelve
 ADDRESS: 25899 W 12 Mile Rd
 Southfield MI 48034
 LAT/LONG: 42.5002 / 83.3016

CLIENT: Testing Engineers & Cons.
 CONTACT: Donald Kaylor
 INQUIRY #: 3791527.2s
 DATE: November 20, 2013 4:16 pm

DETAIL MAP - 3791527.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Northwestern Twelve
ADDRESS: 25899 W 12 Mile Rd
Southfield MI 48034
LAT/LONG: 42.5002 / 83.3016

CLIENT: Testing Engineers & Cons.
CONTACT: Donald Kaylor
INQUIRY #: 3791527.2s
DATE: November 20, 2013 4:17 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	1	4	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	1	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	1	0	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	1	1	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		1	2	NR	NR	NR	3
EDR US Hist Cleaners	0.250		1	5	NR	NR	NR	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
WNW
< 1/8
0.041 mi.
218 ft.

26042 W 12 MILE RD
SOUTHFIELD, MI 48034

EDR US Hist Cleaners 1015030141
N/A

Site 1 of 2 in cluster A

Relative:
Higher

EDR Historical Cleaners:

Name: GINOS DRY CLEANERS
Year: 2001

Actual:
714 ft.

Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2002
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2003
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2004
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2006
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2007
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2008
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2010
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2011
Address: 26042 W 12 MILE RD

Name: GINOS DRY CLEANERS
Year: 2012
Address: 26042 W 12 MILE RD

A2
WNW
< 1/8
0.072 mi.
379 ft.

26106 W 12 MILE RD
SOUTHFIELD, MI 48034

EDR US Hist Auto Stat 1015372883
N/A

Site 2 of 2 in cluster A

Relative:
Higher

EDR Historical Auto Stations:

Name: RAYS QUICK LUBE BIG
Year: 2011

Actual:
715 ft.

Address: 26106 W 12 MILE RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3
SSE
< 1/8
0.112 mi.
593 ft.

AETNA LIFE INSURANCE COMPANY
28588 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

RCRA NonGen / NLR
1014924359
MIK171805582

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 09/15/2011

Facility name: AETNA LIFE INSURANCE COMPANY

Facility address: 28588 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

EPA ID: MIK171805582

Contact: MICHAEL E SOSNOWSKI

Contact address: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: (248) 936-9316

Contact email: SOSNOWSKIM@AETNA.COM

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AETNA LIFE INSURANCE COMPANY

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 06/01/1992

Owner/Op end date: Not reported

Owner/operator name: AETNA LIFE INSURANCE COMPANY

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 06/01/1992

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AETNA LIFE INSURANCE COMPANY (Continued)

1014924359

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

B4
SW
1/8-1/4
0.149 mi.
786 ft.
7TH AVENUE CLEANERS AT PROMENADE PLAZA
28637-28657 NORTHWESTERN HIGHWAY
SOUTHFIELD, MI
Site 1 of 8 in cluster B

BEA **S106676439**
N/A

Relative:
Higher

Actual:
714 ft.

BEA:
Secondary Address: Not reported
BEA Number: 2577
District: Southeast MI
Date Received: 11/17/2004
Submitter Name: Promenade Property, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

B5
SW
1/8-1/4
0.149 mi.
787 ft.
28643 NORTHWESTERN HWY
SOUTHFIELD, MI 48034
Site 2 of 8 in cluster B

EDR US Hist Cleaners **1015034878**
N/A

Relative:
Higher

Actual:
714 ft.

EDR Historical Cleaners:
Name: 7TH AVE CLEANERS
Year: 2001
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2002
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2004
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2005
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015034878

Year: 2006
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2007
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2008
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2010
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2011
Address: 28643 NORTHWESTERN HWY

Name: 7TH AVE CLEANERS
Year: 2012
Address: 28643 NORTHWESTERN HWY

B6
SW
1/8-1/4
0.149 mi.
787 ft.

7TH AVENUE
28643 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 3 of 8 in cluster B

DRYCLEANERS S106439442
WDS N/A

Relative: DRYCLEANERS:
Higher Establishment#: 6300105
DCM #: 1
Actual: DCM Type: Perc
714 ft. Total lb: 55

WDS:
Site Id: MIG000058599
WMD Id: 425008
Site Specific Name: 7TH AVENUE
Mailing Address: 28643 NORTHWESTERN HWY
Mailing City/State/Zip: 48034
Mailing County: OAKLAND

B7
SW
1/8-1/4
0.150 mi.
791 ft.

28657 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 4 of 8 in cluster B

EDR US Hist Cleaners 1015034886
N/A

Relative: EDR Historical Cleaners:
Higher Name: NORTHWESTERN CLEANERS
Year: 2008
Actual: Address: 28657 NORTHWESTERN HWY
714 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B8
SW
1/8-1/4
0.150 mi.
792 ft.

28661 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 5 of 8 in cluster B

EDR US Hist Cleaners 1015034889
N/A

Relative:
Higher

EDR Historical Cleaners:

Name: ANGEL DRY CLEANERS INC

Year: 2004

Actual:
714 ft.

Address: 28661 NORTHWESTERN HWY

B9
WSW
1/8-1/4
0.158 mi.
832 ft.

FARAH PROP LLC
28745 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 6 of 8 in cluster B

LUST U000261731
UST N/A
AUL
WDS

Relative:
Higher

LUST:

Facility ID: 00006310

Source: STATE OF MICHIGAN

Actual:
715 ft.

Owner Name: Najib Fadel

Owner Address: Non-Responsive

Owner City, St, Zip: Non-Responsive

Owner Contact: Not reported

Owner Phone: Non-Responsive

Country: USA

District: SE Michigan District Office

Site Name: Sunoco #0008-6892

Latitude: 42.49494

Longitude: -83.29217

Date of Collection: 01/11/2001

Method of Collection: Address Matching-House Number

Accuracy: 100

Accuracy Value Unit: FEET

Horizontal Data: NAD83

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0666-85

Release Date: 10/31/1989

Substance Released: Not reported

Release Status: Closed

Release Closed Date: 09/26/2001

Leak Number: C-0708-95

Release Date: 06/12/1995

Substance Released: Gasoline

Release Status: Closed

Release Closed Date: 09/25/2001

UST:

Facility ID: 00006310

Facility Type: ACTIVE

Owner Name: NAJIB FADEL

Owner Address: Non-Responsive

Owner City, St, Zip: Non-Responsive

Owner Country: USA

Owner Contact: Not reported

Owner Phone: Non-Responsive

Contact: Najib Fadel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FARAH PROP LLC (Continued)

U000261731

Contact Phone: (248) 354-1163
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.49494
Longitude: -83.29217

Tank ID: 1
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 05/27/1986
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 05/27/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 3
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 05/27/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FARAH PROP LLC (Continued)

U000261731

Product: Diesel
Install Date: 05/27/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

AUL:

Status: Recorded
Site Name: Not reported
Property: Sunoco Food Mart (DUNS 0008-6892)
Land Use Restriction Type: NAI
Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 03/28/2012
Legal Description Of Property: Not reported
Based On The Deq Ref #: 13121305003
MDEQ Reference Number: NAI-RRD-213-05-003
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: U:\\\\KERMIT\\13121305003.PDF
Mapped Polygons Area In Acres: 0.4132000000000001
Mapped Polygons Area In Square Miles: 5.999999999999995E-4
Date Data Entry Started: 05/03/2012
Date Data Entry Finished: 05/03/2012
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Map Comments: 20120328 - LRUR is NOT mapped in KERMIT - Nick Ekel
20120503 - LRUR is mapped in KERMIT - Nick Ekel
Comment: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 10/24/2000
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 1
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0
Status: Recorded
Site Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FARAH PROP LLC (Continued)

U000261731

Property: Sunoco Food Mart (DUNS 0008-6892)
Land Use Restriction Type: RC
Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 03/28/2012
Legal Description Of Property: Not reported
Based On The Deq Ref #: 11121305220
MDEQ Reference Number: RC-RRD-213-05-220
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: U:\KERMITE\11121305220.PDF
Mapped Polygons Area In Acres: 0.39539999999999997
Mapped Polygons Area In Square Miles: 5.9999999999999995E-4
Date Data Entry Started: 05/03/2012
Date Data Entry Finished: 05/03/2012
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Map Comments: 20120328 - LRUR is NOT mapped in KERMITE - Nick Ekel20120503 - LRUR is mapped in KERMITE - Nick Ekel
Comment: Not reported
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 10/24/2000
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 1
Commercial Iv Land Use Restriction: 1
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0
Status: Recorded
Site Name: Not reported
Property: Sunoco Food Mart (DUNS #0008-6892)
Land Use Restriction Type: NCA
Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 02/24/2012
Legal Description Of Property: Migrated
Based On The Deq Ref #: 12121305051
MDEQ Reference Number: NCA-RRD-213-05-051
Property Or Description Restricted Area: Migrated
Lead Division: STD
File Name Of Hyperlinked Legal Doc: U:\KERMITE\12121305051.PDF
Mapped Polygons Area In Acres: 0.41320000000000001
Mapped Polygons Area In Square Miles: 5.9999999999999995E-4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FARAH PROP LLC (Continued)

U000261731

Date Data Entry Started: 04/18/2012
Date Data Entry Finished: 04/18/2012
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Map Comments: 20120224 - LRUR is NOT mapped in KERMIT - Nick Ekel20120418 - LRUR is mapped in KERMIT - Nick Ekel
Request received on 7/13/2005
Comment:
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 02/12/1999
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 1
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

WDS:

Site Id: MID000714352
WMD Id: 392453
Site Specific Name: SUNOCO SERVICE STATION SOUTHFIELD
Mailing Address: 1801 MARKET ST
Mailing City/State/Zip: 19103
Mailing County: Not reported

B10
WSW
1/8-1/4
0.158 mi.
832 ft.

28745 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

EDR US Hist Auto Stat 1015390651
N/A

Site 7 of 8 in cluster B

Relative:
Higher

EDR Historical Auto Stations:

Name: ADEL SUNOCO
Year: 2001
Address: 28745 NORTHWESTERN HWY

Actual:
715 ft.

Name: ADEL SUNOCO
Year: 2002
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO
Year: 2003
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015390651

Year: 2004
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO
Year: 2005
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO
Year: 2006
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO
Year: 2007
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO INC
Year: 2008
Address: 28745 NORTHWESTERN HWY

Name: ADEL SUNOCO
Year: 2009
Address: 28745 NORTHWESTERN HWY

Name: SUNOCO
Year: 2010
Address: 28745 NORTHWESTERN HWY

Name: SUNOCO
Year: 2011
Address: 28745 NORTHWESTERN HWY

Name: SUNOCO
Year: 2012
Address: 28745 NORTHWESTERN HWY

B11
WSW
1/8-1/4
0.158 mi.
832 ft.

SUNOCO INC
28745 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

RCRA-CESQG 1004722573
FINDS MID000714352

Site 8 of 8 in cluster B

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 08/18/1980

Facility name: SUNOCO INC

Facility address: 28745 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

EPA ID: MID000714352

Mailing address: 1801 MARKET ST
PHILADELPHIA, PA 19103

Contact: WILLIAM DELAUGHTER

Contact address: 28745 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Contact country: US

Contact telephone: (215) 977-6108

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

Actual:
715 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO INC (Continued)

1004722573

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: SUN REFINING AND MARKETING CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SUN REFINING AND MARKETING CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO INC (Continued)

1004722573

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003575569

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

12
East
1/8-1/4
0.217 mi.
1147 ft.

25505 W 12 MILE RD
SOUTHFIELD, MI 48034

EDR US Hist Auto Stat 1015368215
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: NORTHERN TELECOM INTGRD NETWORK SYSTEMS TRANSMISSION
Year: 1999
Address: 25505 W 12 MILE RD

Actual:
709 ft.

C13
West
1/8-1/4
0.218 mi.
1150 ft.

28830 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

EDR US Hist Cleaners 1015035035
N/A

Site 1 of 4 in cluster C

Relative:
Higher

EDR Historical Cleaners:

Name: MY CLEANERS
Year: 2004
Address: 28830 NORTHWESTERN HWY

Name: MY CLEANERS INC
Year: 2005
Address: 28830 NORTHWESTERN HWY

Name: MY CLEANERS
Year: 2006
Address: 28830 NORTHWESTERN HWY

Name: MY CLEANERS
Year: 2010
Address: 28830 NORTHWESTERN HWY

Name: MY CLEANERS
Year: 2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015035035

Address: 28830 NORTHWESTERN HWY

Name: MY CLEANERS

Year: 2012

Address: 28830 NORTHWESTERN HWY

C14
West
1/8-1/4
0.218 mi.
1150 ft.
MY CLEANERS
28830 NORTHWESTERN HWY
SOUTHFIELD, MI 48034
Site 2 of 4 in cluster C

DRYCLEANERS **S110624750**
WDS **N/A**

Relative: **Higher**
Actual: **719 ft.**
DRYCLEANERS:
Establishment#: 6300259
DCM #: 1
DCM Type: Perc
Total lb: 50

WDS:
Site Id: MID054678958
WMD Id: 396231
Site Specific Name: MY CLEANERS
Mailing Address: 3328 EDGEWOOD PARK DR
Mailing City/State/Zip: 48082
Mailing County: OAKLAND

C15
West
1/8-1/4
0.218 mi.
1150 ft.
MY CLEANERS
28830 NORTHWESTERN HWY
SOUTHFIELD, MI
Site 3 of 4 in cluster C

RCRA-CESQG **1000174385**
FINDS **MID054678958**

Relative: **Higher**
Actual: **719 ft.**
RCRA-CESQG:
Date form received by agency: 12/31/2001
Facility name: MY CLEANERS
Facility address: 28830 NORTHWESTERN HWY
SOUTHFIELD, MI 48034
EPA ID: MID054678958
Mailing address: 3328 EDGEWOOD PARK DR
COMMERCE TOWNSHIP, MI 48082
Contact: BOB BROWN
Contact address: 28830 NORTHWESTERN HWY
SOUTHFIELD, MI 48034
Contact country: US
Contact telephone: (313) 356-6013
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MY CLEANERS (Continued)

1000174385

from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: BROWN BOB
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: BROWN BOB
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/06/1986
Facility name: MY CLEANERS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MY CLEANERS (Continued)

1000174385

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003597769

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C16
WSW
1/8-1/4
0.219 mi.
1155 ft.

28807 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

EDR US Hist Cleaners 1015035015
N/A

Site 4 of 4 in cluster C

Relative:
Higher

EDR Historical Cleaners:

Actual:
718 ft.

Name:	K DELUXE CLEANERS
Year:	2001
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2002
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2004
Address:	28807 NORTHWESTERN HWY
Name:	DELITE CLEANERS INC
Year:	2004
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2005
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2006
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2007
Address:	28807 NORTHWESTERN HWY
Name:	K DELUXE CLEANERS
Year:	2008
Address:	28807 NORTHWESTERN HWY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015035015

Name: KDELUXE CLEANERS
Year: 2010
Address: 28807 NORTHWESTERN HWY

Name: KDELUXE CLEANERS
Year: 2012
Address: 28807 NORTHWESTERN HWY

D17
West
1/4-1/2
0.315 mi.
1663 ft.

TOTAL #4351
29030 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 1 of 4 in cluster D

LUST U003323593
UST N/A

Relative:
Higher

Actual:
726 ft.

LUST:
Facility ID: 00016404
Source: STATE OF MICHIGAN
Owner Name: Total Petroleum Inc
Owner Address: 28001 Citrin Dr
Owner City,St,Zip: Romulus, MI 48174-2630
Owner Contact: Not reported
Owner Phone: Non-Responsive
Country: USA
District: SE Michigan District Office
Site Name: Total #4351
Latitude: 42.49720
Longitude: -83.29873
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1047-97
Release Date: 11/12/1997
Substance Released: Unknown,Unknown
Release Status: Open
Release Closed Date: Not reported

UST:
Facility ID: 00016404
Facility Type: CLOSED
Owner Name: TOTAL PETROLEUM INC
Owner Address: 28001 CITRIN DR
Owner City,St,Zip: ROMULUS, MI 48174-2630
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Non-Responsive
Contact: ED KRESS
Contact Phone: (800) 333-3377
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOTAL #4351 (Continued)

U003323593

Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.49720
Longitude: -83.29873

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 12000
Product: Gasoline
Install Date: 04/21/1981
Remove Date: 10/29/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Product: Gasoline
Install Date: 04/21/1981
Remove Date: 10/29/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Product: Gasoline
Install Date: 04/21/1981
Remove Date: 10/29/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 04/21/1981
Remove Date: 10/29/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOTAL #4351 (Continued)

U003323593

Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 4000
Product: Diesel
Install Date: 04/21/1981
Remove Date: 10/29/1997
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel, Lined Interior
Impressed Device: No

Tank ID: 6
Tank Status: **Closed in Ground**
Capacity: 8000
Product: Gasoline
Install Date: Not reported
Remove Date: 01/01/1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: NONE
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: **Removed from Ground**
Capacity: 20000
Product: Gasoline
Install Date: 10/28/1997
Remove Date: 03/23/2000
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 8
Tank Status: **Removed from Ground**
Capacity: 8000
Product: Gasoline
Install Date: 10/28/1997
Remove Date: 03/23/2000
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOTAL #4351 (Continued)

U003323593

Impressed Device: No

Tank ID: 9
Tank Status: **Removed from Ground**
Capacity: 8000
Product: Gasoline
Install Date: 10/28/1997
Remove Date: 03/23/2000
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 10
Tank Status: **Removed from Ground**
Capacity: 6000
Product: Diesel
Install Date: 10/28/1997
Remove Date: 03/23/2000
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

D18
West
1/4-1/2
0.315 mi.
1663 ft.

GNI OF TWELVE MILE, L.L.C.
29030 NORTHWESTERN HIGHWAY
SOUTHFIELD, MI

Site 2 of 4 in cluster D

NPDES S104912562
AIRS N/A
BEA
WDS

Relative:
Higher

Actual:
726 ft.

MI NPDES:
Permit Number: MIG081110
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 02/23/2010
Effective Date: 04/01/2010
Expiration Date: 04/01/2015
Permittee Name: EnviroSolutions Inc
Permittee Address: 38115 Abruzzi Drive
Permittee Addr2: Not reported
Permittee City,St,Zip: Westland, MI 48185
Permit Type: COC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: Former Total Sta 4351
Latitude: 42.500999
Lat Direction: N
Lat Type Code: LAT
Longitude: 83.308136
Lon Direction: W
Lon Type Code: LON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GNI OF TWELVE MILE, L.L.C. (Continued)

S104912562

Hydrologic Unit Code: 4090004

AIRS:

El Year: 2013
State Registration Number: N8193
Naics Code: Not reported
Contact Name: C. SHAY WIDEMAN
Contact Phone: 210345-4663
Contact Address: MRP PROPERTIES, LLC
Contact Address 2: PO BOX 696000
Contact City,St,Zip: SAN ANTONIO, TX 78249
Permit Number: 368-08
Date Received: 11/25/2008
State Registration Number: N8193
Country: Not reported
Application Reason: GENERAL PTI - SOIL OR GROUNDWATER REMEDIATION
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
El Contact Area Code: Not reported
El Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

BEA:

Secondary Address: Not reported
BEA Number: 1215
District: Southeast MI
Date Received: 09/29/2000
Submitter Name: GNI OF TWELVE MILE, L.L.C.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GNI OF TWELVE MILE, L.L.C. (Continued)

S104912562

Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 1155
District: Southeast MI
Date Received: 06/20/2000
Submitter Name: WALGREEN COMPANY
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Different Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 1130
District: Southeast MI
Date Received: 04/28/2000
Submitter Name: GNI OF TWELVE MILE, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division

WDS:

Site Id: MID985666551
WMD Id: 409185
Site Specific Name: TOTAL PETROLEUM CO 2556
Mailing Address: 29030 NORTHWESTERN HWY
Mailing City/State/Zip: 48034
Mailing County: OAKLAND

D19
West
1/4-1/2
0.316 mi.
1670 ft.

RITE AID PHARMACY
28949 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

Site 3 of 4 in cluster D

LUST **U003330431**
UST **N/A**
WDS

Relative:
Higher

Actual:
725 ft.

LUST:
Facility ID: 00039575
Source: STATE OF MICHIGAN
Owner Name: Rite Aid Corp
Owner Address: Non-Responsive
Owner City,St,Zip:
Owner Contact: Not reported
Owner Phone: Non-Responsive
Country: USA
District: SE Michigan District Office
Site Name: Rite Aid Pharmacy
Latitude: 42.49646

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID PHARMACY (Continued)

U003330431

Longitude: -83.29646
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1166-97
Release Date: 11/25/1997
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: 02/24/1998

UST:

Facility ID: 00039575
Facility Type: CLOSED
Owner Name: RITE AID CORP
Owner Address: Non-Responsive
Owner City, St, Zip:
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Non-Responsive
Contact: JIM FOWLER
Contact Phone: Non-Responsive
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.49646
Longitude: -83.29646

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 550
Product: Used Oil
Install Date: Not reported
Remove Date: 11/20/1997
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000050849
WMD Id: 438071
Site Specific Name: RITE AID PHARMACY
Mailing Address: 20038 W 12 MILE RD
Mailing City/State/Zip: 48076
Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D20
West
1/4-1/2
0.337 mi.
1777 ft.

KNIGHT ENTERPRISES INC
29009 NORTHWESTERN HWY
SOUTHFIELD, MI 48075

Site 4 of 4 in cluster D

RCRA NonGen / NLR
FINDS
LUST
UST
WDS
1000828693
MID985657642

Relative:
Higher

Actual:
726 ft.

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998
Facility name: KNIGHT ENTERPRISES INC
Facility address: 29009 NORTHWESTERN HWY
SOUTHFIELD, MI 48075
EPA ID: MID985657642
Mailing address: 40600 GRAND RIVER AVE
NOVI, MI 48375
Contact: DAVID CACIOPPO
Contact address: 29009 NORTHWESTERN HWY
SOUTHFIELD, MI 48075
Contact country: US
Contact telephone: Non-Responsive
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KNIGHT ENTERPRISES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: KNIGHT ENTERPRISES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNIGHT ENTERPRISES INC (Continued)

1000828693

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/16/1993
Facility name: KNIGHT ENTERPRISES INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: KNIGHT ENTERPRISES INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003679653

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00021658
Source: STATE OF MICHIGAN
Owner Name: Knight Enterprises Inc
Owner Address: 40600 Grand River
Owner City, St, Zip: Novi, MI 48375
Owner Contact: Not reported
Owner Phone: (248) 478-3651
Country: USA
District: SE Michigan District Office
Site Name: Knight Station K-79
Latitude: 42.49700
Longitude: -83.29821
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNIGHT ENTERPRISES INC (Continued)

1000828693

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0218-93
Release Date: 02/02/1993
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0313-93
Release Date: 03/03/1993
Substance Released: Diesel
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00021658
Facility Type: ACTIVE
Owner Name: KNIGHT ENTERPRISES INC
Owner Address: 40600 GRAND RIVER
Owner City,St,Zip: NOVI, MI 48375
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 478-3651
Contact: John Denton
Contact Phone: (248) 478-3651
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.49700
Longitude: -83.29821

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 4000
Product: Gasoline
Install Date: 11/05/1967
Remove Date: 03/13/1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 4000
Product: Gasoline
Install Date: 11/05/1967
Remove Date: 03/13/1993
Tank Release Detection: Inventory Control,Manual Tank Gauging

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNIGHT ENTERPRISES INC (Continued)

1000828693

Pipe Release Detection: Not reported
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: No Valve At Tank, Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel, Lined Interior
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 11/05/1967
Remove Date: 03/13/1993
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: No Valve At Tank, Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel, Lined Interior
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 11/05/1967
Remove Date: 03/13/1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel, Lined Interior
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 6000
Product: Diesel
Install Date: 11/05/1967
Remove Date: 03/13/1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel, Lined Interior
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 6000
Product: Diesel, #2 DIESEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNIGHT ENTERPRISES INC (Continued)

1000828693

Install Date: Not reported
Remove Date: 03/13/1993
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: Not reported
Product: Used Oil
Install Date: Not reported
Remove Date: 03/13/1993
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 12000
Product: Gasoline
Install Date: Not reported
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline
Install Date: Not reported
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 10
Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline, Diesel
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNIGHT ENTERPRISES INC (Continued)

1000828693

Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled
Piping
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

WDS:

Site Id: MID985657642
WMD Id: 408318
Site Specific Name: KNIGHT ENTERPRISES
Mailing Address: 40600 GRAND RIVER AVE
Mailing City/State/Zip: 48375
Mailing County: OAKLAND

21
WNW
1/4-1/2
0.410 mi.
2167 ft.

MEGAN MARY INC
29150 NORTHWESTERN HWY
SOUTHFIELD, MI 48034

LUST **U003867545**
UST **N/A**
WDS

Relative:
Higher

Actual:
738 ft.

LUST:

Facility ID: 00017498
Source: STATE OF MICHIGAN
Owner Name: Megan Mary Inc
Owner Address: Non-Responsive
Owner City,St,Zip: Non-Responsive
Owner Contact: Not reported
Owner Phone: Non-Responsive
Country: USA
District: SE Michigan District Office
Site Name: Marathon
Latitude: 42.49784
Longitude: -83.30121
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0179-08
Release Date: 11/18/2008
Substance Released: Gasoline,Gasoline,Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0362-96
Release Date: 06/04/1996
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0408-96

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEGAN MARY INC (Continued)

U003867545

Release Date: 06/24/1996
Substance Released: Gasoline,Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00017498
Facility Type: ACTIVE
Owner Name: MEGAN MARY INC
Owner Address: Non-Responsive
Owner City,St,Zip: Non-Responsive
Owner Country: USA
Owner Contact: Not reported
Owner Phone: Non-Responsive
Contact: George Denha
Contact Phone: (248) 356-6005
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.49784
Longitude: -83.30121

Tank ID: 1
Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline
Install Date: 05/07/1978
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 2
Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline
Install Date: 05/07/1978
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 3
Tank Status: Currently In Use
Capacity: 8000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEGAN MARY INC (Continued)

U003867545

Product: Gasoline
Install Date: 05/07/1978
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 4
Tank Status: Currently in Use
Capacity: 8000
Product: Diesel
Install Date: 05/07/1978
Remove Date: Not reported
Tank Release Detection: Inventory Control, Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Flexible Piping
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

WDS:

Site Id: MID985596006
WMD Id: 403658
Site Specific Name: MEGAN MARY INC
Mailing Address: Non-Responsive
Mailing City/State/Zip: Non-Responsive
Mailing County: Non-Responsive

Count: 8 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FARMINGTON HILLS	S109416518	SHELL SERVICE STATION	31529 NORTHWEST HIGHWAY	48334	AUL
FARMINGTON HILLS	S111939199	NORTHWESTERN MIDDLEBELT SHELL	31529 NORTHWESTERN MID BELT	48334	WDS
SOUTHFIELD	S110142542	LOWE'S HOME CENTERS, INC.	S.E. COR. TELEGRAPH & 12 MILE		BEA
SOUTHFIELD	S110533455	ENVIRO-TECH COMPLIANCE SERVICES, I	27600 NORTHWESTERN HWY., STE.	48034	SWRCY
SOUTHFIELD	1014392512	FIRST RIVERS EDGE LLC	27600 NORTHWESTERN HWY	48034	RCRA NonGen / NLR
SOUTHFIELD	S105965689	AGATTAS LANDFILL	SOUTHFIELD RD. BETWEEN 12 & 13	-0-	DEL SHWS
SOUTHFIELD	1014732669	SHOPS ON TWELVE	24541-24555 W TWELVE MILE ROAD	48034	US BROWNFIELDS, FINDS
WARREN	U003326572	MARLOS BEAUTY SUPPLY	11549 12 MILE RD 12 MILE & HOO	48025	LUST, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-554-7333

EPA Region 1
Telephone: 617-918-1143

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8033

EPA Region 5
Telephone: 312-885-6686

EPA Region 10
Telephone: 206-553-8665

EPA Region 6
Telephone: 214-656-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information Listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site, it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2013
 Date Data Arrived at EDR: 08/08/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 36

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 10/02/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
 Date Data Arrived at EDR: 08/08/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 36

Source: Environmental Protection Agency
 Telephone: 312-886-6186
 Last EDR Contact: 10/02/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
 Date Data Arrived at EDR: 08/08/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 36

Source: Environmental Protection Agency
 Telephone: 312-886-6186
 Last EDR Contact: 10/02/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Quarterly

RCRA-SQG RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013
 Date Data Arrived at EDR: 08/08/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 36

Source: Environmental Protection Agency
 Telephone: 312-886-6186
 Last EDR Contact: 10/02/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Quarterly

RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
 Date Data Arrived at EDR: 08/08/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 36

Source: Environmental Protection Agency
 Telephone: 312-886-6186
 Last EDR Contact: 10/02/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
 Date Data Arrived at EDR: 06/21/2013
 Date Made Active in Reports: 10/03/2013
 Number of Days to Update: 104

Source: Environmental Protection Agency
 Telephone: 703-603-0695
 Last EDR Contact: 09/10/2013
 Next Scheduled EDR Contact: 12/23/2013
 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
 Date Data Arrived at EDR: 06/21/2013
 Date Made Active in Reports: 10/03/2013
 Number of Days to Update: 104

Source: Environmental Protection Agency
 Telephone: 703-603-0695
 Last EDR Contact: 09/10/2013
 Next Scheduled EDR Contact: 12/23/2013
 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013
 Date Data Arrived at EDR: 08/23/2013
 Date Made Active in Reports: 11/01/2013
 Number of Days to Update: 70

Source: Department of the Navy
 Telephone: 843-820-7326
 Last EDR Contact: 11/18/2013
 Next Scheduled EDR Contact: 03/03/2014
 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
 Date Data Arrived at EDR: 01/17/2013
 Date Made Active in Reports: 02/15/2013
 Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
 Telephone: 202-287-2180
 Last EDR Contact: 10/01/2013
 Next Scheduled EDR Contact: 01/13/2014
 Data Release Frequency: Annually

State- and tribal- equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/01/2013
 Date Data Arrived at EDR: 10/31/2013
 Date Made Active in Reports: 11/20/2013
 Number of Days to Update: 20

Source: Dept of Environmental Quality
 Telephone: 517-373-9541
 Last EDR Contact: 10/31/2013
 Next Scheduled EDR Contact: 02/11/2014
 Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/01/2013	Telephone: 517-335-4035
Date Made Active in Reports: 10/21/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/01/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 09/19/2013	Telephone: 517-373-9837
Date Made Active in Reports: 10/21/2013	Last EDR Contact: 09/19/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 11/01/2013
Number of Days to Update: 184	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-8677
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-655-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013	Source: EPA Region 7
Date Data Arrived at EDR: 08/27/2013	Telephone: 913-551-7003
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 66	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-912-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013	Source: EPA Region 10
Date Data Arrived at EDR: 07/30/2013	Telephone: 206-553-2857
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013	Source: EPA Region 5
Date Data Arrived at EDR: 08/23/2013	Telephone: 312-886-7439
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/01/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 09/19/2013	Telephone: 517-335-4035
Date Made Active in Reports: 10/21/2013	Last EDR Contact: 09/19/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 10/29/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/31/2013	Telephone: 517-335-7211
Date Made Active in Reports: 11/20/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/16/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Dept of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2014
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-8137
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2657
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/26/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/09/2013
Number of Days to Update: 41

Source: Dept of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS Brownfields and UST field Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 07/27/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51

Source: Dept of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BROWNFIELDS 2 Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4210
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Dept of Environmental Quality
Telephone: 517-241-5719
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

HIST LF Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 08/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

DEL SHWS Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 41

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 10/24/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

US HST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC: § 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 10/23/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 28

Source: Dept of Environmental Quality
Telephone: 517-241-7603
Last EDR Contact: 10/22/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accident's pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/27/2013
Date Made Active in Reports: 10/22/2013
Number of Days to Update: 25

Source: Dept of Environmental Quality
Telephone: 517-373-8477
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation. Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4385
Last EDR Contact: 11/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 09/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD - Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 06/11/2013	Telephone: 703-416-0223
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 143	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Annually

UMTRA - Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low, however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

UIS MINES - Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/05/2013	Telephone: 303-231-5959
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Semi-Annually

TRIS - Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

TSCA - Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/24/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Every 4 Years

FTTS - FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1657
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/22/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP - FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1657
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/22/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP - FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSIS - Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

ICIS - Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 107	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7159
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and pointers to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (312) 353-2000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administrative actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases, Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures, and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g. the fire department) of an accidental event.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 10/28/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 09/25/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 07/30/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 09/01/2013	Telephone: 517-241-1515
Date Made Active in Reports: 09/12/2013	Last EDR Contact: 11/15/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 10/29/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/31/2013	Telephone: 517-335-4586
Date Made Active in Reports: 11/20/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/08/2013	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/08/2013	Telephone: 517-241-1300
Date Made Active in Reports: 10/21/2013	Last EDR Contact: 10/08/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2013
 Date Data Arrived at EDR: 09/27/2013
 Date Made Active in Reports: 10/23/2013
 Number of Days to Update: 26

Source: Dept of Environmental Quality
 Telephone: 517-373-7074
 Last EDR Contact: 09/23/2013
 Next Scheduled EDR Contact: 01/08/2014
 Data Release Frequency: Varies

BEA BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 08/21/2013
 Date Data Arrived at EDR: 08/23/2013
 Date Made Active in Reports: 09/12/2013
 Number of Days to Update: 20

Source: Dept of Environmental Quality
 Telephone: 517-373-9541
 Last EDR Contact: 11/18/2013
 Next Scheduled EDR Contact: 03/03/2014
 Data Release Frequency: Semi-Annually

INDIAN RESERV Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 12/08/2006
 Date Made Active in Reports: 01/11/2007
 Number of Days to Update: 34

Source: USGS
 Telephone: 202-208-3710
 Last EDR Contact: 10/18/2013
 Next Scheduled EDR Contact: 01/27/2014
 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
 Date Data Arrived at EDR: 03/09/2011
 Date Made Active in Reports: 05/02/2011
 Number of Days to Update: 54

Source: Environmental Protection Agency
 Telephone: 615-532-8599
 Last EDR Contact: 11/18/2013
 Next Scheduled EDR Contact: 02/03/2014
 Data Release Frequency: Varies

EPA WATCH LIST EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
 Date Data Arrived at EDR: 08/13/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 31

Source: Environmental Protection Agency
 Telephone: 617-520-3000
 Last EDR Contact: 11/15/2013
 Next Scheduled EDR Contact: 02/24/2014
 Data Release Frequency: Quarterly

US FIN ASSUR Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013
 Date Data Arrived at EDR: 03/15/2013
 Date Made Active in Reports: 05/10/2013
 Number of Days to Update: 55

Source: Environmental Protection Agency
 Telephone: 202-566-1917
 Last EDR Contact: 11/18/2013
 Next Scheduled EDR Contact: 03/03/2014
 Data Release Frequency: Quarterly

FEDLAND Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 02/06/2006
 Date Made Active in Reports: 01/11/2007
 Number of Days to Update: 339

Source: U.S. Geological Survey
 Telephone: 888-275-8747
 Last EDR Contact: 10/18/2013
 Next Scheduled EDR Contact: 01/27/2014
 Data Release Frequency: N/A

PCB TRANSFORMER PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
 Date Data Arrived at EDR: 10/19/2011
 Date Made Active in Reports: 01/10/2012
 Number of Days to Update: 83

Source: Environmental Protection Agency
 Telephone: 202-566-0517
 Last EDR Contact: 11/01/2013
 Next Scheduled EDR Contact: 02/11/2014
 Data Release Frequency: Varies

COAL ASH Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 07/12/2013
 Date Data Arrived at EDR: 07/12/2013
 Date Made Active in Reports: 08/01/2013
 Number of Days to Update: 20

Source: Dept of Environmental Quality
 Telephone: 586-753-3754
 Last EDR Contact: 10/07/2013
 Next Scheduled EDR Contact: 01/20/2014
 Data Release Frequency: Varies

COAL ASH DOE Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 08/07/2009
 Date Made Active in Reports: 10/22/2009
 Number of Days to Update: 76

Source: Department of Energy
 Telephone: 202-586-8719
 Last EDR Contact: 10/15/2013
 Next Scheduled EDR Contact: 01/27/2014
 Data Release Frequency: Varies

COAL ASH EPA Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
 Date Data Arrived at EDR: 01/03/2011
 Date Made Active in Reports: 03/21/2011
 Number of Days to Update: 77

Source: Environmental Protection Agency
 Telephone: N/A
 Last EDR Contact: 09/13/2013
 Next Scheduled EDR Contact: 12/23/2013
 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/08/2013
 Date Data Arrived at EDR: 01/10/2013
 Date Made Active in Reports: 02/28/2013
 Number of Days to Update: 49

Source: Dept of Environmental Quality
 Telephone: 517-335-6610
 Last EDR Contact: 10/07/2013
 Next Scheduled EDR Contact: 01/20/2014
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/15/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/28/2013
Number of Days to Update: 13

Source: Dept of Environmental Quality
Telephone: 517-373-8875
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/28/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1954. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 38

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used waste oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oil waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRIHR. EDR's HRIHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Cleaners EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR US Hist Auto Stat EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

C.T. MANIFEST Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 08/19/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Annually

N.Y. MANIFEST Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 10/18/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 11/18/2013	Last EDR Contact: 11/07/2013
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Annually

PA MANIFEST Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/24/2013	Telephone: 717-783-8090
Date Made Active in Reports: 08/19/2013	Last EDR Contact: 10/21/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Annually

RI MANIFEST Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/21/2013	Telephone: 401-222-2797
Date Made Active in Reports: 08/05/2013	Last EDR Contact: 06/23/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

WI MANIFEST Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/09/2013	Telephone: N/A
Date Made Active in Reports: 09/17/2013	Last EDR Contact: 09/16/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 758-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-796-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of Regulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NORTHWESTERN TWELVE

25899 W 12 MILE RD

SOUTHFIELD, MI 48034

TARGET PROPERTY COORDINATES

Latitude (North): 42.5002 - 42° 30' 0.72"

Longitude (West): 83.3016 - 83° 18' 5.76"

Universal Transverse Mercator: Zone 17

UTM X (Meters): 310877.2

UTM Y (Meters): 4707688.0

Elevation: 711 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 42083-E3 PONTIAC SOUTH, MI

Most Recent Revision: 1997

South Map: 42083-D3 REDFORD, MI

Most Recent Revision: 1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

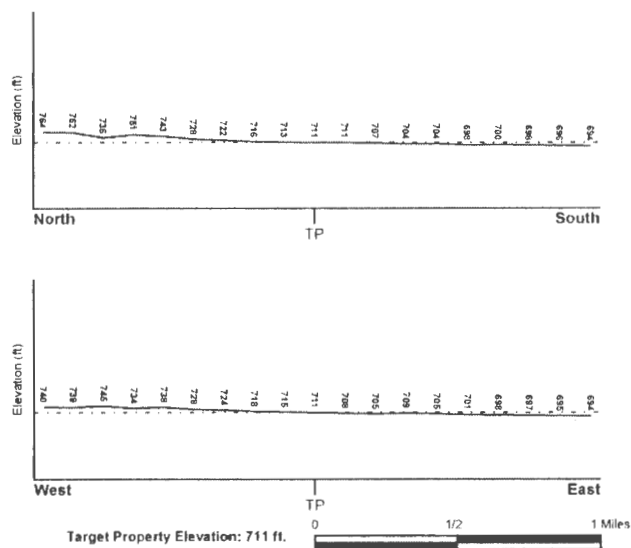
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
OAKLAND, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

26125C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
PONTIAC SOUTH

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile SW	SE
2	1/8 - 1/4 Mile WSW	Varies
3	1/4 - 1/2 Mile West	ESE
8	1/2 - 1 Mile WNW	SW
20	1/2 - 1 Mile WNW	SE
G27	1/2 - 1 Mile East	Not Reported
H37	1/2 - 1 Mile West	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

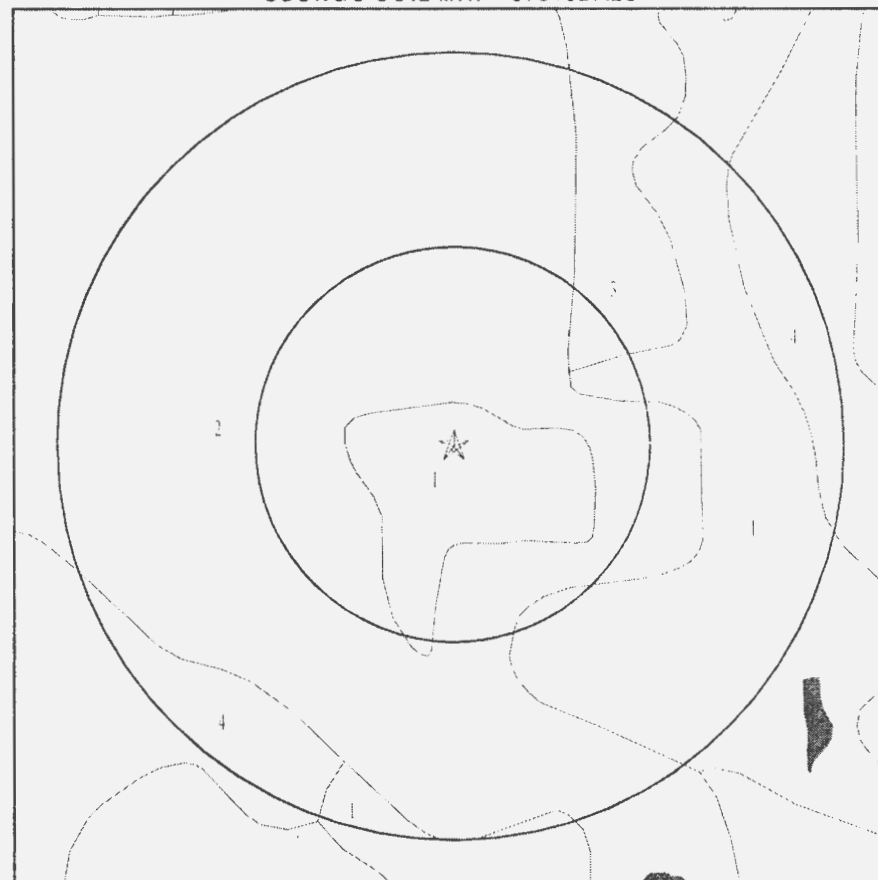
Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3791527.2s



★ Target Property
/ SSURGO Soil
/ Water

SITE NAME: Northwestern Twelve
ADDRESS: 25899 W 12 Mile Rd
Southfield MI 48034
LAT/LONG: 42.5002 / 83.3016

CLIENT: Testing Engineers & Cons.
CONTACT: Donald Kaylor
INQUIRY #: 3791527.2s
DATE: November 20, 2013 4:18 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Lenawee

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max 14 Min 4	Max 7.8 Min 6.1
2	7 inches	53 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max 4 Min 1.4	Max 7.8 Min 6.1
3	53 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max 4 Min 1.4	Max 8.4 Min 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Kibbie

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max 14 Min 4	Max 7.3 Min 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	31 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200). Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%). Lean Clay	Max. 14 Min. 4	Max. 7.3 Min. 5.6
3	31 inches	59 inches	stratified fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200). Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max. 14 Min. 4	Max. 8.4 Min. 7.4

Soil Map ID: 4

Soil Component Name: Blount

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min. > 0 inches

Depth to Watertable Min. > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200). Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%). Lean Clay	Max. 14 Min. 4	Max. 7.3 Min. 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200). Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%). Lean Clay	Max. 4 Min. 0.42	Max. 7.8 Min. 5.1
3	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200). Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%). Lean Clay	Max. 4 Min. 0.42	Max. 8.4 Min. 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1,000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1,000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
12	USGS40000482053	1/2 - 1 Mile NNW
G26	USGS40000482022	1/2 - 1 Mile East
H29	USGS40000482011	1/2 - 1 Mile West
47	USGS40000482026	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

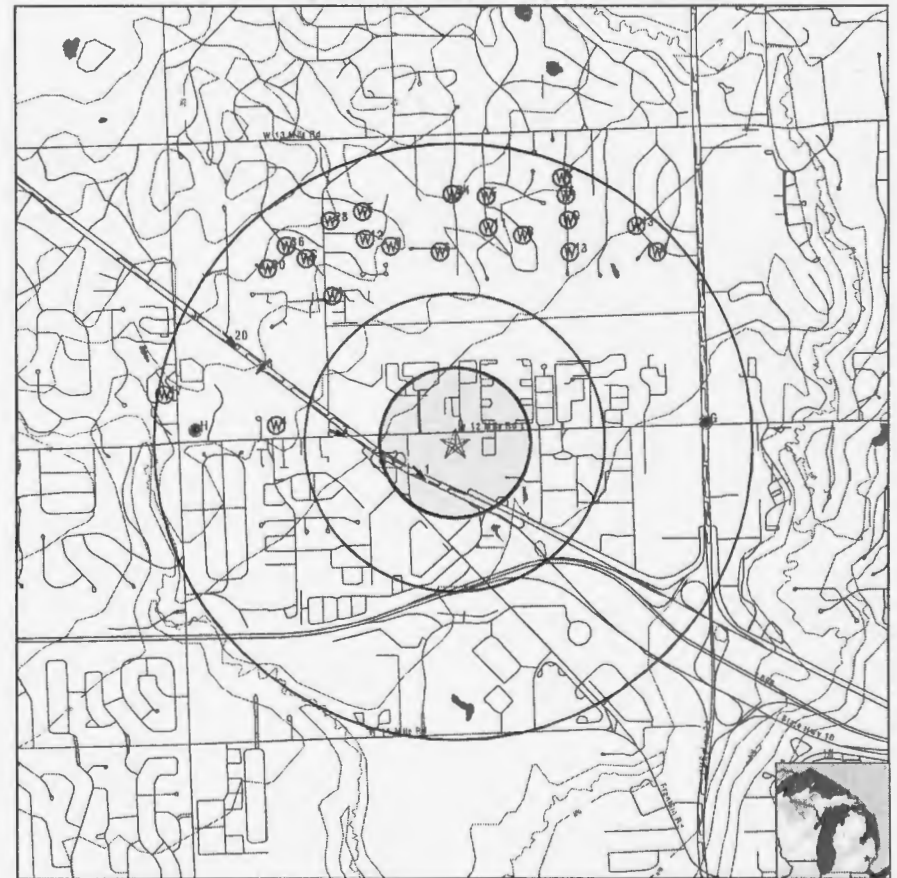
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Non-Responsive

PHYSICAL SETTING SOURCE MAP - 3791527.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Northwestern Twelve
 ADDRESS: 25899 W 12 Mile Rd
 Southfield MI 48034
 LAT/LONG: 42.5002 / 83.3016

CLIENT: Testing Engineers & Cons.
 CONTACT: Donald Kaylor
 INQUIRY #: 3791527.2s
 DATE: November 20, 2013 4:18 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 SW 1/8 - 1/4 Mile Higher
Site ID: Not Reported
Groundwater Flow: SE
Shallowest Water Table Depth: 6.5
Deepest Water Table Depth: 8.5
Average Water Table Depth: Not Reported
Date: 11/10/1996
AQUIFLOW 36046

2 WSW 1/8 - 1/4 Mile Higher
Site ID: 630764
Groundwater Flow: Varies
Shallowest Water Table Depth: 2.67
Deepest Water Table Depth: 6.0
Average Water Table Depth: Not Reported
Date: 04/22/1992
AQUIFLOW 36142

3 West 1/4 - 1/2 Mile Higher
Site ID: 630774
Groundwater Flow: ESE
Shallowest Water Table Depth: 9.0
Deepest Water Table Depth: 12
Average Water Table Depth: Not Reported
Date: 08/22/1996
AQUIFLOW 36042

4 West 1/2 - 1 Mile Higher
MI WELLS MI3000000085654

Wellid: 63000015918 Import id: 63018007401
County: Oakland Township: Southfield
Town range: 01N 10E Section: 7
Owner name: Non-Responsive
Well addr: Non-Responsive
Well depth: 0
Well type: Type II public
Wsan: 2141463
Well num: Not Reported Driller id: 0
Const date: Not Reported Case type: Unknown
Case dia: -1
Case depth: 0
Screen frm: 0
Screen to: 0
Swf: 999.99
Test depth: 0
Test hours: 0
Test rate: 0 Test methd: Unknown
Grouted: 1 Pmp cpoly: 0
Latitude: Non-Responsive
Longitude: Non-Responsive
Methd coll: Interpolation-Map
Elevation: 745
Elev methd: Topographic Map Interpolation Depth flag: Well Depth = 0
Elev flag: Not Reported
Swf flag: SWL > Well Depth
Elev dem: 745 Elev dif: 0
Elev miv: 745 Aq code: Unknown Lithology
Aq flag: Not Reported
Pct aq: 0
Pct aq d: 0
Pct maq: 0
Pct maq r: 0
Pct cm: 0
Pct cm d: 0
Pct cm r: 0
Pct na: 0
Pct na d: 0
Pct na r: 0
Pct flag: Not Reported
D r type: Not Reported
A thickness: 0
A pct maq: 0
A pct cm: 0
A thickness2: 0
A pct maq2: 0
A pct cm2: 0
A hit swf: F
A hit rock: F
A sc lmod1: Not Reported
A sc lmod2: Not Reported
A sc lmod3: 0
Pct maq 1: 0
Pct cm 1: 0
Pct na 1: 0
Pct aq 2: 0
Pct cm 2: 0
Pct na 2: 0
Pct maq 3: 0
Pct cm 3: 0
Pct na 3: 0
Pct aq 4: 0
Pct cm 4: 0
Pct na 4: 0
Pct maq 5: 0
Pct cm 5: 0
Pct na 5: 0
Pct aq 6: 0
Pct cm 6: 0
Pct na 6: 0
Pct maq 7: 0
Pct cm 7: 0
Pct na 7: 0
Pct aq 8: 0
Pct cm 8: 0
Pct na 8: 0
Pct maq 9: 0
Pct cm 9: 0
Pct na 9: 0
Pct aq 10: 0
Pct cm 10: 0
Pct na 10: 0
Pct maq 11: 0
Pct cm 11: 0
Pct na 11: 0
Pct aq 12: 0
Pct cm 12: 0
Pct na 12: 0
Pct maq 13: 0
Pct cm 13: 0
Pct na 13: 0
Within sec: Y
Aq code 1: Not Reported
Hit swf: Not Reported
Attk2: 0
Horiz Conduct: 0
Vert Conduct: 0
T2: 0
D50plek: 0

TC3791527.2a Page A-12

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d: 0
Pct cm r: 0
Pct na: 0
Pct na d: 0
Pct na r: 0
Rock top: -3
Spec poly: 0
A pct aq: 0
A pct cm: 0
A pct na: 0
A pct aq2: 0
A pct cm2: 0
A pct na2: 0
A hit swf: F
A hit rock: F
A sc lmod1: Not Reported
A sc lmod2: Not Reported
A sc lmod3: 0
Pct aq 1: 0
Pct cm 1: 0
Pct na 1: 0
Pct maq 2: 0
Pct cm 2: 0
Pct na 2: 0
Pct maq 3: 0
Pct cm 3: 0
Pct na 3: 0
Pct maq 4: 0
Pct cm 4: 0
Pct na 4: 0
Pct maq 5: 0
Pct cm 5: 0
Pct na 5: 0
Pct maq 6: 0
Pct cm 6: 0
Pct na 6: 0
Pct maq 7: 0
Pct cm 7: 0
Pct na 7: 0
Pct maq 8: 0
Pct cm 8: 0
Pct na 8: 0
Pct maq 9: 0
Pct cm 9: 0
Pct na 9: 0
Pct maq 10: 0
Pct cm 10: 0
Pct na 10: 0
Pct maq 11: 0
Pct cm 11: 0
Pct na 11: 0
Pct maq 12: 0
Pct cm 12: 0
Pct na 12: 0
Pct maq 13: 0
Pct cm 13: 0
Pct na 13: 0
Loc match: Y
Aq code 1: Not Reported
Hit swf: Not Reported
Attk2: 0
Horiz Conduct: 0
Vert Conduct: 0
T2: 0
D50plek: 0

TC3791527.2a Page A-13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A5
NW
1/2 - 1 Mile
Higher

MI WELLS MI3000000086579

Wellid	63000018130	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	74		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	140
Const date	2000-07-19 00 00 00.000	Case type	PVC Plastic
Case dia	5		
Case depth	0		
Screen frm	66		
Screen lo	73		
Swf	16		
Test depth	30		
Test hours	1		
Test rate	75	Test methd.	Air
Grouted	1	Emp opcity	18
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swf flag	Not Reported		
Elev dem	748	Elev dif	748
Elev miv	748	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	10		
Pct aq d	10	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	90
Pct cm d	90	Pct cm r	0
Pct pcm	0	Pct pcm d	0
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spd opcity	0
A thicknes	7	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thicknes2	57	A pct aq2	12
A pct maq2	0	A pct pcm2	0
A pct cm2	88	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Not Reported	A sc lmaq1	AQ
A sc lpc11	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc12	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	100
Pct pcm 1	0	Pct na 1	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct laq 2	0	Pct naq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	100
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swf	F		
Athk2	57		
Horz Conduct	.12289		
Vert Conduct	.00911		
T2	7.005		
D50plek	94449		

6
North
1/2 - 1 Mile
Higher

MI WELLS MI3000000087048

Wellid	63000020302	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	71		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	1990
Const date	2001-10-02 00 00 00.000	Case type	Steel
Case dia	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth	62		
Screen frm	63		
Screen to	71		
Swl	32		
Test depth	60		
Test hours	3		
Test rate	10	Test methd	Test Pump
Grouted	1	Pmp cpcity	10
Latitude	Non-Response		
Longitude	Non-Response		
Method coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	751	Elev dif	751
Elev miv	751	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	38		
Pct aq d	0	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	0
Pct cm d	0	Pct cm r	0
Pct pcm	62	Pct pcm d	62
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spe cpcity	.200000002980232
A thickness	9	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	39	A pct aq2	23
A pct maq2	0	A pct pcm2	77
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lith1	Fine	A sc lith2	AQ
A sc lith2	100	A sc lith3	Not Reported
A sc lith3	Not Reported	A sc lith4	Not Reported
A sc lith4	0	Pct aq 1	90
Pct maq 1	0	Pct cm 1	0
Pct pcm 1	10	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	0	Pct pcm 2	100
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	100	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swl	F		
Attk2	39		
Horz Conduct	11.54615		
Vert Conduct	.013		
T2	450.3		
D50plk	31.9126		

A7			
NW		MI WELLS	M1300000086591
1/2 - 1 Mile			
Higher			
Wellid	63000018132	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Response		
Well addr	Non-Response		
Well depth	78		
Well type	Household		
Wssn	0		
Well num	Not Reported	Driller id	140
Const date	2000-07-17 00:00:00.000	Casn type	PVC Plastic
Case dia	5		
Case depth	66		
Screen frm	68		
Screen to	78		
Swl	15		
Test depth	30		
Test hours	1		
Test rate	75	Test methd	Air
Grouted	1	Pmp cpcity	18
Latitude	Non-Response		
Longitude	Non-Response		
Method coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	754	Elev dif	754
Elev miv	754	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	17		
Pct aq d	17	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct pcm	0	Pct cm	37

Pct rm d	37	Pct cm 1	0
Pct prm	46	Pct pcm d	46
Pct pcm i	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	N/A Reported	Rank top	-1
D type	N/A Reported	Spec cply	0
A thknms	13	A pcl aq	100
A pcl maq	0	A pcl cm	0
A pcl cm	0	A pcl na	0
A thkn2	43	A pcl aq2	21
A pcl maq2	0	A pcl pcm2	37
A pcl cm2	43	A pcl na2	0
A ht swl	F	A hil top	F
A lut rock	F	A sc lth1	Sand
A sc lmsd1	N/A Reported	A sc lmsq1	AQ
A sc lps1	100	A sc lth2	N/A Reported
A sc lmsd2	N/A Reported	A sc lmsq2	N/A Reported
A sc lps2	0	Frl aq 1	0
Pct maq 1	0	Pct cm 1	35
Pct pcm 1	65	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	10
Pct pcm 3	90	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Withn sec	Y	Loc match	Y
Aq code 1	D		
Hlt swl	F		
Attk2	63		
Horz Conduct	20643		
Vert Conduct	.00013		
T2	13.005		
D50plek	1.85487		

Map ID Direction Distance Elevation	Database	EDR ID Number
8 WNW 1/2 - 1 Mile Higher	AQUIFLOW	36045
Site ID	440167	
Groundwater Flow	SW	
Shallowest Water Table Depth	7	
Deepest Water Table Depth	20	
Average Water Table Depth	Not Reported	
Date	06/09/1997	
9 NNW 1/2 - 1 Mile Higher	MI WELLS	MI3000000087120
Wellid:	63000017899	Import id
County	Oakland	Township:
Town range	01N 10E	Section:
Owner name	Non-Responsive	Not Reported
Well addr	Non-Responsive	Southfield
Well depth	79	7
Well type:	Household	
Wasn	0	
Well num:	Not Reported	Driller id
Const date	2001-12-11 00 00 00.000	140
Case dia	5	Case type
Case depth	75	PVC Plastic
Screen fm	75	
Screen to	79	
Swl	12	
Test depth	30	
Test hours	1	
Test rate	60	Test methd
Grouted	1	Pmp cpcity
Latitude	Non-Responsive	Alt
Longitude	Non-Responsive	20
Method coll	Interpolation-Map	
Elevation	0	
Elev methd	DEM30M	Depth flag:
Elev flag	Elevation < DEMmin or Elevation > DEMmax	Not Reported
Swl flag	Not Reported	
Elev dem:	758	Elev dif
Elev nav	758	Aq code
Aq flag	Not Reported	758
Pct aq	9	Drift Well
Pct aq d	9	
Pct maq	0	Pct aq r
Pct maq r	0	Pct maq d
Pct cm d	86	Pct cm
Pct pcm	5	Pct cm r
Pct pcm r	0	Pct pcm d
Pct na d	0	Pct na
Pct flag	Not Reported	Pct na r
D r type	Not Reported	Rock lop
A thickness	11	Spd cpcity
A pct maq	0	A pct aq
A pct cm	0	A pct pcm
A thickness2	67	A pct na
		A pct aq2

GEOCHECK[®] - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2	0	A pct pcm2	6
A pct cm2	84	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Fine	A sc lmaq1	AQ
A sc lpd1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpd2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	100
Pct pcm 1	0	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct prm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	100
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match:	Y
Aq code 1	D		
Hit swf	F		
Altk2	67		
Horiz Conduct	5.28367		
Vert Conduct	00012		
T2	354.0056		
D50plek	43.6855		

B10
NNE
1/2 - 1 Mile
Higher

MI WELLS MI3000000087165

GEOCHECK[®] - PHYSICAL SETTING SOURCE MAP FINDINGS *

Wellid	63000021405	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	Not Reported		
Well type	Household		
Wesn	0		
Well num	Not Reported	Driller id	25
Const date	2002-07-23 00:00:00.000	Case type	Steel
Case dia	6		
Case depth	164		
Screen frm	0		
Screen lo	0		
Swf	82		
Test depth	100		
Test hours	2		
Test rate	20	Test methd	Test Pump
Grouted	1	Pmp capcity	18
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swf flag	Not Reported		
Elev dem	731	Elev dif	731
Elev miv	731	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	20		
Pct aq d	13	Pct aq r	69
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	46
Pct cm d	53	Pct cm r	0
Pct pcm	29	Pct pcm d	34
Pct pcm r	0	Pct na	4
Pct na d	0	Pct na r	31
Pct flag	Not Reported	Rock top	156
D r type	Not Reported	Sp cpcity	.200000002980232
A thicknes	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thicknes2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpd1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpd2	0	Pct aq 1	3
Pct maq 1	0	Pct cm 1	35
Pct pcm 1	65	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	65
Pct maq 3	0	Pct cm 3	35
Pct pcm 3	0	Pct na 3	0
Pct aq 4	35	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	65
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	30
Pct pcm 5	70	Pct na 5	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 5	0	Pct maq 6	0
Pct cm 6	48	Pct pcm 6	52
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	100
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Ht swl	F		
Atk2	0		
Horiz Conduct	7.35329		
Vert Conduct	00017		
T2	1000 04/6		
D50plek	236 63536		

11			
North		MI WELLS	MI3000000087390
1/2 - 1 Mile			
Higher			
Wellid	63000016877	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	200		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	1924
Const date	2002-07-22 00 00 00.000	Case type	PVC Plastic
Case dia	5		
Case depth	163		
Screen firm	0		
Screen to	0		
Swl	102		
Test depth	102		
Test hours	2	Test methd	Air
Test rate	20	Pmp cpcity	10
Grouted	1		
Latitude	Non-Responsive		
Longitude	Non-Responsive		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll	Address Matching-House Number		
Elevation	748		
Elev methd	Topographic Map Interpolation	Depth flag	Not Reported
Elev flag	Not Reported		
Swl flag	Not Reported		
Elev dem	745	Elev dif	3
Elev inv	748	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	80		
Pct aq d	80	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	21
Pct cm d	21	Pct cm r	0
Pct pcm	0	Pct pcm d	0
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spccpity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	T
A hit rock	F	A sc lth1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lth2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	95
Pct maq 1	0	Pct cm 1	5
Pct pcm 1	0	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	100
Pct pcm 3	0	Pct na 3	0
Pct aq 4	100	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	100
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	100	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	100
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	100	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec Y
 Aq code 1 Not Reported
 Hlt swl Not Reported
 Ahtk2 0
 Horiz Conduct 0
 Vert Conduct 0
 T2 0
 D50plek 0

Loc match: Y

12
 NNW
 1/2 - 1 Mile
 Higher
 FED USGS USGS40000482053

Org. Identifier USGS-MI
 Formal name USGS Michigan Water Science Center
 Monloc Identifier USGS-423036083182701
 Monloc name OAKLAND 24 (A)
 Monloc type Well
 Monloc desc Not Reported
 Huc code Not Reported
 Drainagearea value Not Reported
 Drainagearea Units Not Reported
 Contrib drainagearea units Not Reported
 Longitude -83 3074317
 Horiz Acc measure 1
 Horiz Collection method Interpolated from map
 Horiz coord refsys NAD83
 Vert measure units Not Reported
 Vert accmeasure units Not Reported
 Vertcollection method Not Reported
 Vert coord refsys Not Reported
 Aquifername Not Reported
 Formation type Not Reported
 Aquifer type Not Reported
 Construction date Not Reported
 Welldepth units Not Reported
 Wellholedepth units Not Reported

Contrib drainagearea 42.5100347
 Latitude 42.5100347
 Source map scale 24000
 Horiz Acc measure units seconds
 Vert measure val Not Reported
 Vertacc measure val Not Reported

Countycode US

Welldepth Not Reported
 Wellholedepth Not Reported

Ground-water levels, Number of Measurements 0

13
 NNE
 1/2 - 1 Mile
 Higher
 MI WELLS MI3000000087037

Wellid 63000021867
 County Oakland
 Town range 01N 10E
 Owner name Non-Responsive
 Well addr Non-Responsive
 Well depth 57
 Well type Household
 Wssn 0
 Well num Not Reported
 Const date 2002-05-03 00 00 00.000
 Case dia 0

Import id Not Reported
 Township Southfield
 Section 8
 Driller id 25
 Case type Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth 0
 Screen fm 0
 Screen to 0
 Swl 0
 Test depth 0
 Test hours 0
 Test rate 0
 Grouted 0
 Latitude Non-Responsive
 Longitude Non-Responsive
 Method coll Interpolation-Map
 Elevation 0
 Elev methd DEM30M
 Elev flag Elevation < DEMmin or Elevation > DEMmax
 Swl flag SWL = 0
 Elev dem 722
 Elev min 722
 Aq flag Not Reported
 Pct aq 8
 Pct aq d 9
 Pct maq 4
 Pct maq r 0
 Pct cm d 68
 Pct pcm 0
 Pct pcm r 0
 Pct na d 0
 Pct flag Not Reported
 Dr type Not Reported
 A thickness 0
 A pct maq 0
 A pct cm 0
 A thickness2 0
 A pct maq2 0
 A pct cm2 0
 A hit swl F
 A hit rock F
 A sc lmod1 Not Reported
 A sc lmod2 Not Reported
 A sc lmod2 0
 Pct maq 1 0
 Pct pcm 1 0
 Pct aq 2 0
 Pct cm 2 100
 Pct na 2 0
 Pct maq 3 0
 Pct pcm 3 0
 Pct aq 4 0
 Pct cm 4 0
 Pct na 4 0
 Pct maq 5 0
 Pct pcm 5 0
 Pct aq 6 0
 Pct cm 6 0
 Pct na 6 0
 Pct maq 7 0
 Pct pcm 7 0
 Pct aq 8 0
 Pct cm 8 0
 Pct na 8 0
 Pct maq 9 0
 Pct pcm 9 0

Test methd Not Reported
 Pmp capty 0

Depth flag Not Reported

Elev dif 722
 Aq code Drift Well

Pct aq r 0

Pct maq d 4

Pct cm 88

Pct cm r 0

Pct pcm d 0

Pct na 0

Pct na r 0

Rock top -1

Spc rply Not Reported

A pct aq 0

A pct pcm 0

A pct na 0

A pct aq2 0

A pct pcm2 0

A pct na2 0

A hit top T

A sc lth1 Not Reported

A sc lth2 Not Reported

A sc lth2 Not Reported

A sc lth2 Not Reported

Pct aq 1 25

Pct cm 1 75

Pct na 1 0

Pct maq 2 0

Pct pcm 2 0

Pct aq 3 0

Pct cm 3 0

Pct na 3 0

Pct maq 4 0

Pct pcm 4 0

Pct aq 5 0

Pct cm 5 0

Pct na 5 0

Pct maq 6 0

Pct pcm 6 0

Pct aq 7 0

Pct cm 7 0

Pct na 7 0

Pct maq 8 0

Pct pcm 8 0

Pct aq 9 0

Pct cm 9 0

Pct na 9 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	r	Loc match	Y
Aq code 1	Not Reported		
Hlt swl	Not Reported		
Attk2	0		
Horz Conduct	0		
Vert Conduct	0		
T2	0		
D50plek	0		

B14
NNE
1/2 - 1 Mile
Higher

MI WELLS MI3000000087386

Wellid	63006018670	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	200		
Well type	Household		
Wesn	0		
Well num	Not Reported	Driller id	25
Const date	2001-08-23 00 00 00 000	Case type	FVC Plastic
Case dia	-1		
Case depth	0		
Screen frm	0		
Screen to	0		
Swl	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Unknown
Grouted	1	Pmp cpclty	0
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	SWL = 0		
Elev dem	735	Elev dif	735
Elev miv	735	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	0		
Pct aq d	0	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	50

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d	25	Pct cm r	100
Pct pcm	51	Pct pcm d	71
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	142
Dir type	Not Reported	Spc cpclty	0
A thicknes	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickns2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hlt swl	F	A hlt top	F
A hlt rock	F	A sc lth1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lmod1	0	A sc lth2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc12	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1	0
Pct pcm 1:	100	Pct na 1	0
Pct aq 2:	0	Pct maq 2	0
Pct cm 2:	0	Pct pcm 2	100
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4	0
Pct cm 4:	0	Pct pcm 4	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	45
Pct pcm 5:	55	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct an 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Hlt swl	F		
Attk2	0		
Horz Conduct	.56241		
Vert Conduct	.0093		
T2	71 0541		
D50plek	17.55719		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C15
NW
1/2 - 1 Mile
Higher

MI WELLS MI3000000086967

Wellid:	63000020427	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	7
Owner name:	Non-Responsive		
Well addr:	30155		
Well depth:	86		
Well type:	Household		
Wesn:	0		
Well num:	Not Reported	Driller id:	25
Const date:	2001-02-22 00:00:00.000	Case type:	Steel
Case dia:	5		
Case depth:	81		
Screen frm:	80.5		
Screen to:	86		
Swl:	19		
Test depth:	80		
Test hours:	1.5		
Test rate:	18	Test methd:	Test Pump
Grouted:	1	Prmp opcity:	0
Latitude:	Non-Responsive		
Longitude:			
Method coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	761	Elev dif:	761
Elev mkr:	761	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	63		
Pct aq d:	63	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	29
Pct cm d:	29	Pct cm r:	0
Pct pcm:	8	Pct pcm d:	8
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spv opcity:	.200000002980232
A thicknes:	18	A pct aq:	89
A pct maq:	0	A pct pcm:	0
A pct cm:	11	A pct na:	0
A thicknes2:	87	A pct aq2:	54
A pct maq2:	0	A pct pcm2:	9
A pct cm2:	37	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Fine	A sc lmaq1:	AD
A sc lpot1:	91	A sc lith2:	Clay
A sc lmod2:	Not Reported	A sc lmaq2:	CM
A sc lpot2:	9	Pct aq 1:	90
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	10	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	75	Pct pcm 2:	25
Pct na 2:	0	Pct aq 3:	85
Pct maq 3:	0	Pct cm 3:	5
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	60	Pct maq 4:	0
Pct cm 4:	40	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hlt swl:	F		
Athk2:	67		
Horiz Conduct:	41.79117		
Vert Conduct:	.00026		
T2:	2800.0085		
D50plek:	309.42141		

C16
NW
1/2 - 1 Mile
Higher

MI WELLS MI3000000086968

Wellid:	63000020430	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	7
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	213		
Well type:	Household		
Wesn:	0		
Well num:	Not Reported	Driller id:	25
Const date:	2001-02-15 00:00:00.000	Case type:	Unknown
Case dia:	-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth	0		
Screen fm	0		
Screen to	0		
Swf	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Unknown
Grouted	1	Pmp cpcity	0
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swf flag	SWL = 0		
Elev dem	761	Elev dif	761
Elev miv	761	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	31		
Pct aq d	22	Pct aq r	89
Pct maq	8	Pct maq d	9
Pct maq r	0	Pct cm	1
Pct cm d	0	Pct cm r	11
Pct pcm	55	Pct pcm d	64
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	185
D i type	Not Reported	Spc cpcity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lth1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lth2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	90
Pct maq 1	0	Pct cm 1	0
Pct pcm 1	10	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	0	Pct pcm 2	100
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	100	Pct na 3	0
Pct aq 4	5	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	95
Pct na 4	0	Pct aq 5	20
Pct maq 5	80	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	100
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	100	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Hit swf	F		
Athk2	0		
Horiz Conduct	36 52165		
Vert Conduct	60134		
12	5990.1159		
D50plek	1479.46597		

D17
NNE
1/2 - 1 Mile
Higher

MI WELLS MI300000087384

Wellid	63000020518	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	148		
Well type	Household		
Wessn	0		
Well num	Not Reported	Diller id	25
Const date	2002-03-06 00.00.00.000	Case type	Not Reported
Case dia	0		
Case depth	0		
Screen fm	0		
Screen to	0		
Swf	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Not Reported
Grouted	0	Pmp cpcity	0
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swf flag	SWL = 0		
Elev dem	728	Elev dif	728
Elev miv	728	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	1		
Pct aq d	1	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	74

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	74	Pct cm r:	100
Pct pom:	25	Pct pom d:	25
Pct pom r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	144
D r type:	Not Reported	Spe opcity:	0
A thcknes:	0	A pct eq:	0
A pct maq:	0	A pct pom:	0
A pct cm:	0	A pct na:	0
A thckna2:	0	A pct eq2:	0
A pct maq2:	0	A pct pom2:	0
A pct cm2:	0	A pct na2:	0
A hit swf:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpc1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpc2:	0	Pct eq 1:	0
Pct maq 1:	0	Pct cm 1:	25
Pct pom 1:	75	Pct na 1:	0
Pct eq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pom 2:	0
Pct na 2:	0	Pct eq 3:	0
Pct maq 3:	0	Pct cm 3:	30
Pct pom 3:	70	Pct na 3:	0
Pct eq 4:	5	Pct maq 4:	0
Pct cm 4:	55	Pct pom 4:	40
Pct na 4:	0	Pct eq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pom 5:	0	Pct na 5:	0
Pct eq 6:	0	Pct maq 6:	0
Pct cm 6:	100	Pct pom 6:	0
Pct na 6:	0	Pct eq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pom 7:	0	Pct na 7:	0
Pct eq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pom 8:	0
Pct na 8:	0	Pct eq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pom 9:	0	Pct na 9:	0
Pct eq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pom 10:	0
Pct na 10:	0	Pct eq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pom 11:	0	Pct na 11:	0
Pct eq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pom 12:	0
Pct na 12:	0	Pct eq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pom 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hit swf:	F		
Athk2:	0		
Horiz Conduct:	.00816		
Vert Conduct:	.0001		
T2:	1.0123		
D50plek:	.34533		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID		Database	EDR ID Number
Direction			
Distance			
Elevation			
E18		MI WELLS	MI300000067480
NNW			
1/2 - 1 Mile			
Higher			
Wellid:	63000016434	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	7
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	39		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	1701
Conet date:	2000-04-23 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	51		
Screen frm:	51		
Screen lo:	59		
Swf:	19		
Test depth:	50		
Test hours:	1		
Test rate:	50	Test methd:	Air
Grouted:	1	Pmp opcity:	10
Latitude:	Non-Responsive		
Longitude:	Non-Responsive		
Methd col:	Interpolation-Map		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swf flag:	Not Reported		
Elev dem:	771	Elev dif:	771
Elev miv:	771	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct eq:	29	Pct eq r:	0
Pct eq d:	29	Pct maq d:	0
Pct maq:	0	Pct cm:	71
Pct maq r:	0	Pct cm r:	0
Pct cm d:	71	Pct pom d:	0
Pct pom:	0	Pct na:	0
Pct pom r:	0	Pct na r:	0
Pct na d:	0	Rock top:	-1
Pct flag:	Not Reported	Spe opcity:	0
D r type:	Not Reported	A pct eq:	100
A thcknes:	11	A pct pom:	0
A pct maq:	0	A pct na:	0
A pct cm:	0	A pct eq2:	28
A thckna2:	40	A pct pom2:	0
A pct maq2:	0	A pct na2:	0
A pct cm2:	73	A hit top:	F
A hit swf:	F	A sc lith1:	Send
A hit rock:	F	A sc lmaq1:	AQ
A sc lmod1:	Water Bearing	A sc lith2:	Not Reported
A sc lpc1:	100	A sc lmaq2:	Not Reported
A sc lmod2:	Not Reported	Pct eq 1:	30
A sc lpc2:	0	Pct cm 1:	70
Pct maq 1:	0	Pct na 1:	0
Pct pom 1:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	7	Loc matr	Y
Aq code 1	D		
Ht swl	F		
Athk2	40		
Horiz Conduct	27.50007		
Vert Conduct	00014		
T2	1100.0029		
D50plek	76.15826		

F19
North
1/2 - 1 Mile
Higher

Wellid	63000027741	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	175		
Well type	Household		
Ween	0		
Well num	Not Reported	Driller id	25
Comet date	2000-04-17 00:00:00.000	Case type	PVC Plastic
Case dia	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth	166		
Screen frm	0		
Screen to	0		
Swl	30		
Test depth	100		
Test hours	2		
Test rate	20	Test methd	Arr
Grouted	1	Pmp cpcity	18
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	748		
Elev methd	Topographic Map Interpolation	Depth flag	Not Reported
Elev flag	Not Reported		
Swl flag	Not Reported		
Elev dem	748	Elev dif	0
Elev niv	748	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	24		
Pct aq d	16	Pct aq r	100
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	41
Pct cm d	45	Pct cm r	0
Pct pcm	37	Pct pcm d	40
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	161
D r type	Not Reported	Spcc cpcity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A ht swl	F	A ht top	F
A ht rock	F	A sc lth1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpd1	0	A sc lth2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	50
Pct pcm 1	40	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	55	Pct pcm 2	45
Pct na 2	0	Pct aq 3	45
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	55	Pct na 3	0
Pct aq 4	65	Pct maq 4	0
Pct cm 4	35	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	100
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	72	Pct pcm 6	28
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	100	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hill swl:	F		
Attk2:	0		
Horiz Conduct:	17.73094		
Vert Conduct:	.00021		
T2:	2500.062		
D50plek:	584.76296		

20	Site ID:	635224		
WNW	Groundwater Flow:	SE	AQUIFLOW	35951
1/2 - 1 Mile	Shallowest Water Table Depth:	Not Reported		
Higher	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	20		
	Date:	02/17/1994		

E21			MI WELLS	MI3000000087563
NNW				
1/2 - 1 Mile				
Higher				
Wellid:	63000019664	Import id:	Not Reported	
County:	Oakland	Township:	Southfield	
Town range:	01N 10E	Section:	7	
Owner name:	Non-Responsive			
Well addr:	Non-Responsive			
Well depth:	66			
Well type:	Household			
Wsen:	0			
Well num:	Not Reported	Driller id:	25	
Concl date:	2001-10-03 00:00:00.000	Case type:	PVC Plastic	
Case dia:	5			
Case depth:	78			
Screen frm:	78			
Screen lo:	86			
Swl:	16			
Test depth:	75			
Test hours:	2			
Test rate:	20	Test methd:	Air	
Grouted:	1	Pmp cpoly:	12	
Latitude:	Non-Responsive			
Longitude:	Non-Responsive			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Method coll:	Address Matching-House Number		
Elevation:	755		
Elev methd:	Topographic Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	761	Elev dif:	6
Elev mlv:	755	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	64		
Pct aq d:	54	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	29
Pct cm d:	29	Pct cm r:	0
Pct pcm:	7	Pct pcm d:	7
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpoly:	0
A thcknes:	41	A pct aq:	90
A pct maq:	0	A pct pcm:	0
A pct cm:	10	A pct na:	0
A thckma2:	70	A pct aq2:	56
A pct maq2:	0	A pct pcm2:	9
A pct cm2:	36	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Not Reported	A sc lmaq1:	AQ
A sc lpt1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpt2:	0	Pct aq 1:	90
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	10	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	80	Pct pcm 2:	20
Pct na 2:	0	Pct aq 3:	75
Pct maq 3:	0	Pct cm 3:	25
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	80	Pct maq 4:	0
Pct cm 4:	20	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec	Y	Loc match:	Y
Aq code 1	D		
Hit swl	F		
Altk2	70		
Horiz Conduct	55.71441		
Vert Conduct	00027		
T2	3900.0085		
D50plek	442.8617		

D22
NNE
1/2 - 1 Mile
Higher
MI WELLS MI300000087463

Wellid:	63000020516	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	8
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	50		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	25
Const date:	2002-03-13 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	46		
Screen frm:	45		
Screen to:	50		
Swl:	0		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Air
Grouted:	1	Pmp cpcity:	0
Latitude:	Non-Responsiv		
Longitude:			
Method coll:	Interpolation-Map		
Elevation:	0	Depth flag:	Not Reported
Elev methd:	DEM30M		
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	SWL = 0		
Elev dem:	731	Elev dif:	731
Elev niv:	731	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	16	Pct aq r:	0
Pct aq d:	8	Pct maq d:	8
Pct maq:	8	Pct cm:	76
Pct cm d:	76	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D i type:	Not Reported	Sp cpcity:	0
A thicknes:	4	A pcl aq:	0
A pcl maq:	100	A pcl pcm:	0
A pcl cm:	0	A pcl na:	0
A thickne2:	50	A pcl aq2:	16

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pcl maq2:	8	A pcl pcm2:	0
A pcl cm2:	76	A pcl na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Silty	A sc lmaq1:	MAQ
A sc lpc1:	80	A sc lith2:	Clay
A sc lmod2:	Not Reported	A sc lmaq2:	CM
A sc lpc2:	20	Pct aq 1:	40
Pct maq 1:	0	Pct cm 1:	60
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pcl aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pcl maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pcl aq 9:	0
Pct maq 9:	0	Pcl cm 9:	0
Pct pcm 9:	0	Pcl na 9:	0
Pct aq 10:	0	Pcl maq 10:	0
Pct cm 10:	0	Pcl pcm 10:	0
Pct na 10:	0	Pcl aq 11:	0
Pcl maq 11:	0	Pcl cm 11:	0
Pcl pcm 11:	0	Pcl na 11:	0
Pcl aq 12:	0	Pcl maq 12:	0
Pcl cm 12:	0	Pcl pcm 12:	0
Pcl na 12:	0	Pcl aq 13:	0
Pcl maq 13:	0	Pcl cm 13:	0
Pcl pcm 13:	0	Pcl na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	D		
Hit swl:	F		
Altk2:	50		
Horiz Conduct:	8.40008		
Vert Conduct:	.00013		
T2:	420.0038		
D50plek:	30.30948		

E23
NNW
1/2 - 1 Mile
Higher
MI WELLS MI300000087535

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid	63000019196	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	74		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	25
Const date	2001-03-09 00 00 00.000	Case type	Steel
Case dia	5		
Case depth	79		
Screen frm	68.5		
Screen to	74		
Swf	6		
Test depth	56		
Test hours	2		
Test rate	14	Test methd	Test Pump
Grouted	1	Pmp capcity	0
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swf flag	Not Reported		
Elev dem	768	Elev dif	768
Elev miv	768	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	5		
Pct aq d	5	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	83
Pct cm d	83	Pct cm r	0
Pct pcm	12	Pct pcm d	12
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
Dr type	Not Reported	Spc capcity	.300000011920929
A thickness	3	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	68	A pct aq2	5
A pct maq2	0	A pct pcm2	4
A pct cm2	91	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Water Bearing	A sc lmaq1	AQ
A sc lmod1	61	A sc lith2	Clay
A sc lmod2	Soft	A sc lmaq2	CM
A sc lpc12	39	Pct aq 1	0
Pct maq 1	0	Pct cm 1	55
Pct pcm 1	45	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	100
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	7
Aq code 1	D		
Hit swl	F		
Altk2	68		
Horiz Conduct	4.95597		
Vert Conduct	.00011		
T2	337.09617		
D50plek	42.32597		

24
North
1/2 - 1 Mile
Higher

MI WELLS MI3000000087693

Wellid	63000017297	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	52		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	919
Const date	2001-04-09 00 00 00.000	Case type	Steel
Case dia	5		
Case depth	40		
Screen frm	40		
Screen to	52		
Swf	1		
Test depth	23		
Test hours	3		
Test rate	25	Test methd	Test Pump
Grouted	1	Pmp capcity	12
Latitude	Non-Responsive		
Longitude			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Method	Address Matching-House Number		
Elevation	748		
Elev method	Topographic Map Interpolation	Depth flag	Not Reported
Elev flag	Not Reported		
Swl flag	Not Reported		
Elev dem	764	Elev dif	16
Elev mix	748	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	35		
Pct aq d	35	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	65
Pct cm d	65	Pct cm r	0
Pct pcm	0	Pct pcm d	0
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spc cpctly	1 10000002384186
A thickness	18	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	51	A pct aq2	35
A pct maq2	0	A pct pcm2	0
A pct cm2	65	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Fine	A sc lmaq1	AQ
A sc lpc1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	100
Pct pcm 1	0	Pct na 1	0
Pct aq 2	30	Pct maq 2	0
Pct cm 2	70	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swl	F		
Altk2	51		
Horiz Conduct	17.64712		
Vert Conduct	.00015		
12	900.0033		
DGplek	80.31217		

F25		MI WELLS	MI3000000087695
North			
1/2 - 1 Mile			
Higher			
Wellid	63000021846	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	72		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	25
Const date	2002-05-13 00:00:00.000	Case type	PVC Plastic
Case dia	5		
Case depth	62		
Screen frm	62		
Screen to	72		
Swl	8		
Test depth	40		
Test hours	2		
Test rate	30	Test method	Air
Grouded	1	Pmp capacity	16
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Method coll	Interpolation-Map		
Elevation	0		
Elev method	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	741	Elev dif	741
Elev mix	741	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	63		
Pct aq d	63	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	38
Pct cm d	38	Pct cm r	0
Pct pcm	0	Pct pcm d	0
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spc cpctly	0
A thickness	27	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	64	A pct aq2	58

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pr l mag2	0	A pct pcm2	0
A pct cm2	42	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Fine	A sc lmaq1	AQ
A sc lpc1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	90
Pct lmaq 1	0	Pct cm 1	10
Pct pcm 1	0	Pct na 1	0
Pct aq 2	0	Pct lmaq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	75
Pct lmaq 3	0	Pct cm 3	25
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct lmaq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct lmaq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct lmaq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct lmaq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct lmaq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct lmaq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct lmaq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct lmaq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct lmaq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct lmaq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swf	F		
Athk2	64		
Horiz Conduct	36.71879		
Vert Conduct	00024		
I 2	2350 0027		
D5/plek	250 28032		

G26
East
1/2 - 1 Mile
Lower

FED USGS USGS40000482022

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Orig Identifier	USGS-MI		
Formal name	USGS Michigan Water Science Center		
Monloc Identifier	USGS-423005083170701		
Monloc name	01N 10E 08DDCC 01		
Monloc type	Well		
Monloc desc	Not Reported		
Huc code	04090004	Drainagearea value	Not Reported
Drainagearea Units	Not Reported	Contrib drainagearea	Not Reported
Contrib drainagearea units	Not Reported	Latitude	42.5014238
Longitude	-83.2852086	Source map scale	Not Reported
Horiz Acc measure	5	Horiz Acc measure units	seconds
Horiz Collection method	Interpolated from map		
Horiz coord refs	NAD83	Vert measure val	694
Vert measure units	feet	Vert acc measure val	10
Vert acc measure units	feet		
Vertical collection method	Interpolated from topographic map		
Vert coord refs	NGVD29	Country code	US
Aquifer name	Sand and gravel aquifers (glaciated regions)		
Formation type	Pleistocene Series		
Aquifer type	Not Reported		
Construction date	Not Reported	Well depth	60
Well depth units	ft	Well hole depth	Not Reported
Well hole depth units	Not Reported		

Ground-water levels, Number of Measurements: 0

G27	Site ID	Not Reported	
East	Groundwater Flow	Not Reported	AQUIFLOW 36104
1/2 - 1 Mile	Shallowest Water Table Depth	4	
Lower	Deepest Water Table Depth	5	
	Average Water Table Depth	Not Reported	
	Date	12/30/1998	

28			
NNW			
1/2 - 1 Mile			
Higher			
Wellid	63000022254	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	76		
Well type	Household		
Wssn	0		
Well num	Not Reported	Driller ut	140
Const rate	2002-09-04 00:00 00.000	Case type	PVC Plastic
Case dia	5		
Case depth	72		
Screen frm	72		
Screen to	76		
Swf	15		
Test depth	35		
Test hours	1		
Test rate	70	Test methd	Air
Grouted	1	Prnp capacity	18
Latitude	Non-Responsive		
Longitude			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Method	Interpolation-Map		
Elevation	0		
Elev method	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swt flag	Not Reported		
Elev dem	777	Elev dif	777
Elev miv	777	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	5		
Pct aq d	5	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	88
Pct cm d	88	Pct cm r	0
Pct pcm	7	Pct pcm d	7
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spec pcity	0
A thickness	9	A pct aq	44
A pct maq	0	A pct pcm	58
A pct cm	0	A pct na	0
A thickness2	51	A pct aq2	7
A pct maq2	0	A pct pcm2	8
A pct cm2	85	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Not Reported	A sc lmod2	AQ
A sc lmod1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmod2	Not Reported
A sc lmod2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	100
Pct pcm 1	0	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	100
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swf	F		
Altir2	51		
Horiz Conduct	6.63943		
Vert Conduct	.00012		
T2	405.0052		
D50plek	45 16032		

H29			
West		FED USGS	USGS40000482011
1/2 - 1 Mile			
Higher			
Org. Identifier	USGS-MI		
Formal name	USGS Michigan Water Science Center		
Monloc Identifier	USGS-423002063190601		
Monloc name	01N 10E 07CCCC 01		
Monloc type	Well		
Monloc desc	Not Reported		
Huc code	04090004	Drainagearea value	Not Reported
Drainagearea Units	Not Reported	Contrib drainagearea	Not Reported
Contrib drainagearea units	Not Reported	Latitude	42.5005903
Longitude	-83.318265	Sourcemap scale	Not Reported
Horiz Acc measure	5	Horiz Acc measure units	seconds
Horiz Collection method	Interpolated from map		
Horiz coord refs	NAD83	Vert measure val	735
Vert measure units	feet	Vertacc measure val	10
Vert accmeasure units	feet		
Vertcollection method	Interpolated from topographic map		
Vert coord refs	NGVD29	Countrycode	US
Aquifername	Not Reported		
Formation type	Not Reported		
Aquifer type	Not Reported		
Construction date	Not Reported	Welldepth	63
Welldepth units	ft	Wellholedepth	Not Reported
Wellholedepth units	Not Reported		

Ground-water levels, Number of Measurements 0

30			
NW		MI WELLS	MI0000000086824
1/2 - 1 Mile			
Higher			
Wellid	630000196524	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	53		
Well type	Household		
Wiser	0		
Well num	Not Reported	Driller id	25
Const date	2002-01-21 00:00:00.000	Case type	PVC Plastic
Case dia	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth	91		
Screen frm	91		
Screen to	98		
Swl	14		
Test depth	27		
Test hours	15		
Test rate	20	Test methd	Test Pump
Grouted	1	Pmp cpcity	16
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methvl coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	774	Elev dif	774
Elev min	774	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	33		
Pct aq d	33	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	21
Pct cm d	21	Pct cm r	0
Pct pcm	46	Pct pcm d	46
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spcc pcity	.699999980079071
A thicknes	10	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thicknes2	84	A pct aq2	21
A pct maq2	0	A pct pcm2	54
A pct cm2	25	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Gravel
A sc lmod1	Water Bearing	A sc lmaq1	AQ
A sc lpet1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpet2	0	Pct aq 1	100
Pct maq 1	0	Pct cm 1	0
Pct pcm 1	0	Pct na 1	0
Pct aq 2	10	Pct maq 2	0
Pct cm 2	80	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	15
Pct pcm 3	85	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	100
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc malch	Y
Aq code 1	D		
Hit swl	F		
Attk2	84		
Horiz Conduct	6.34781		
Vert Conduct	.00024		
T2	508.01633		
D50pluk	77.02762		

E31			
NNW			
1/2 - 1 Mile		MI WELLS	M13000006087589
Higher			
Wellid	63000620761	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	80		
Well type	Household		
Wlssn	0		
Well num	Not Reported	Driller id	25
Const date	2001-03-06 00:00:00.000	Case type	Not Reported
Case dia	0		
Case depth	0		
Screen frm	0		
Screen to	0		
Swl	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Not Reported
Grouted	1	Pmp cpcity	0
Latitude	Non-Responsive		
Longitude			
Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	SWL = 0		
Elev dem	764	Elev dif	764
Elev min	764	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	1		
Pct aq d	1	Pct aq r	0
Pct maq	19	Pct maq d	19
Pct maq r	0	Pct cm	63

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	63	Pct cm r:	0
Pct pcm:	17	Pct pcm d:	17
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc opcty:	0
A thicknes:	0	A pct sq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thicknes2:	0	A pct sq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swf:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lith2:	Not Reported
A sc lpcd1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpcd2:	0	Pct sq 1:	0
Pct maq 1:	0	Pct cm 1:	25
Pct pcm 1:	75	Pct na 1:	0
Pct sq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct sq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct sq 4:	8	Pct maq 4:	34
Pct cm 4:	60	Pct pcm 4:	0
Pct na 4:	0	Pct sq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct sq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct sq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct sq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct sq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct sq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct sq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct sq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct sq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swf:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
H32	West	1/2 - 1 Mile	Higher	MI WELLS	MI3000000085692
Wellid:	63000002805	Import id:	63018007301		
County:	Oakland	Township:	Southfield		
Town range:	01N 10E	Section:	7		
Owner name:	Non-Responsive				
Well addr:	Non-Responsive				
Well depth:	15				
Well type:	Type I public				
Wsen:	5910				
Well num:	1	Driller id:	0		
Const date:	1953-11-30 00:00:00.000	Case type:	Unknown		
Case dia:	12				
Case depth:	63				
Screen frm:	0				
Screen to:	0				
Swl:	999.99				
Test depth:	0				
Test hours:	0				
Test rate:	290	Test methd:	Unknown		
Grouted:	1	Pmp opcty:	69		
Latitude:	Non-Responsive				
Longitude:	Non-Responsive				
Methd coll:	GPS Code Meas. Std. Positioning Svc. SA Off				
Elevation:	745				
Elev methd:	Topographic Map Interpolation	Depth flag:	Not Reported		
Elev flag:	Not Reported				
Swl flag:	SWL > Well Depth				
Elev dem:	745	Elev dif:	0		
Elev miv:	745	Aq code:	Drift Well		
Aq flag:	Not Reported				
Pct sq:	10				
Pct sq d:	10	Pct sq r:	0		
Pct maq:	0	Pct maq d:	0		
Pct maq r:	0	Pct cm:	29		
Pct cm d:	29	Pct cm r:	0		
Pct pcm:	61	Pct pcm d:	61		
Pct pcm r:	0	Pct na:	0		
Pct na d:	0	Pct na r:	0		
Pct flag:	Not Reported	Rock top:	-1		
D r type:	Not Reported	Spc opcty:	0		
A thicknes:	0	A pct sq:	0		
A pct maq:	0	A pct pcm:	0		
A pct cm:	0	A pct na:	0		
A thicknes2:	0	A pct sq2:	0		
A pct maq2:	0	A pct pcm2:	0		
A pct cm2:	0	A pct na2:	0		
A hit swf:	F	A hit top:	T		
A hit rock:	F	A sc lith1:	Not Reported		
A sc lmod1:	Not Reported	A sc lith2:	Not Reported		
A sc lpcd1:	0	A sc lith2:	Not Reported		
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported		
A sc lpcd2:	0	Pct sq 1:	0		
Pct maq 1:	0	Pct cm 1:	0		
Pct pcm 1:	100	Pct na 1:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	10	Pct pcm 2:	90
Pct na 2:	0	Pct aq 3:	15
Pct maq 3:	0	Pct cm 3:	82
Pct pcm 3:	2	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swf:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

H33
West
1/2 - 1 Mile
Higher

Wellid:	63000002806	Import id:	63018007302
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	7
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	70.3		
Well type:	Type I public		
Wsan:	5910		
Well num:	Not Reported	Driller id:	1246
Const date:	1983-01-21 00:00:00.000	Case type:	Unknown
Case dia:	12		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	61.4		
Screen frm:	61.3		
Screen to:	70.3		
Swf:	0		
Test depth:	29		
Test hours:	8		
Test rate:	425	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	319
Latitude:	Non-Response		
Longitude:	Non-Response		
Method coll:	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation:	745		
Elev methd:	Topographic Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swf flag:	SWL = 0		
Elev dem:	745	Elev dif:	0
Elev mlv:	745	Aq code:	Drift Well
Aq flag:	Not Reported		
Pct aq:	15		
Pct aq d:	15	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	31
Pct cm d:	31	Pct cm r:	0
Pct pcm:	54	Pct pcm d:	54
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thckma:	21	A pct aq:	48
A pct maq:	0	A pct pcm:	52
A pct cm:	0	A pct na:	0
A thckma2:	70	A pct aq2:	15
A pct maq2:	0	A pct pcm2:	54
A pct cm2:	31	A pct na2:	0
A hit swf:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Gravel
A sc lmod1:	Coarse	A sc lmaq1:	AQ
A sc lpc1:	59	A sc lith2:	Sand
A sc lmod2:	Coarse	A sc lmaq2:	AQ
A sc lpc2:	41	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	35
Pct pcm 1:	65	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	30	Pct pcm 2:	70
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	45
Pct pcm 3:	55	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Ht swf	F		
Attk2	70		
Horiz Conduct	3.93025		
Vert Conduct	.00019		
T2	275.1173		
D50plek	35.9825		

H34
West
1/2 - 1 Mile
Higher

MI WELLS MI3000000085689

Wellid	63000002807	Import id	63018007303
County	Oakland	Township	Southfield
Town range	01N 10E	Section	7
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	73		
Well type	Type I public		
Wexn	5910		
Well num	Not Reported	Driller id	1246
Const date	1991-04-18 00 00 00.000	Case type	Unknown
Case dia	12		
Case depth	62		
Screen frm	61		
Screen to	73		
Swf	0		
Test depth	41		
Test hours	8		
Test rate	424	Test method	Unknown
Grouted	1	Pmp capacity	319
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Method coll	GPS Code Meas. Std. Positioning Svc. SA Off		
Elevation	745		
Elev method	Topographic Map Interpolation	Depth flag	Not Reported
Elev flag	Not Reported		
Swf flag	SWL = 0		
Elev dem	745	Elev dif	0
Elev miv	745	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	18		
Pct aq d	18	Pct aq i	0
Pct maq	0	Pct maq d	0
Pct maq i	0	Pct cm	45

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d	45	Pct cm i	0
Pct pcm	37	Pct pcm d	37
Pct pcm i	0	Pct na	0
Pct na d	0	Pct na i	0
Pct flag	Not Reported	Rock top	-1
Dir type	Not Reported	Spccpity	0
A thickness	13	A pct aq	100
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	73	A pct aq2	18
A pct maq2	0	A pct pcm2	37
A pct cm2	45	A pct na2	0
A hit swf	F	A hit top	F
A hit rock	F	A sc lith1	Sanu & Gravel
A sc lmod1	Well/Moist	A sc lmaq1	AO
A sc lpc1	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1'	0
Pct maq 1'	0	Pct cm 1'	20
Pct pcm 1'	80	Pct na 1'	0
Pct aq 2'	0	Pct maq 2'	0
Pct cm 2'	45	Pct pcm 2'	55
Pct na 2'	0	Pct aq 3'	0
Pct maq 3'	0	Pct cm 3'	100
Pct pcm 3'	0	Pct na 3'	0
Pct aq 4'	0	Pct maq 4'	0
Pct cm 4'	0	Pct pcm 4'	0
Pct na 4'	0	Pct aq 5'	0
Pct maq 5'	0	Pct cm 5'	0
Pct pcm 5'	0	Pct na 5'	0
Pct aq 6'	0	Pct maq 6'	0
Pct cm 6'	0	Pct pcm 6'	0
Pct na 6'	0	Pct aq 7'	0
Pct maq 7'	0	Pct cm 7'	0
Pct pcm 7'	0	Pct na 7'	0
Pct aq 8'	0	Pct maq 8'	0
Pct cm 8'	0	Pct pcm 8'	0
Pct na 8'	0	Pct aq 9'	0
Pct maq 9'	0	Pct cm 9'	0
Pct pcm 9'	0	Pct na 9'	0
Pct aq 10'	0	Pct maq 10'	0
Pct cm 10'	0	Pct pcm 10'	0
Pct na 10'	0	Pct aq 11'	0
Pct maq 11'	0	Pct cm 11'	0
Pct pcm 11'	0	Pct na 11'	0
Pct aq 12'	0	Pct maq 12'	0
Pct cm 12'	0	Pct pcm 12'	0
Pct na 12'	0	Pct aq 13'	0
Pct maq 13'	0	Pct cm 13'	0
Pct pcm 13'	0	Pct na 13'	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Ht swf	F		
Attk2	73		
Horiz Conduct	.17865		
Vert Conduct	.00029		
T2	13.0411		
D50plek	2.15485		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D35
NNE
1/2 - 1 Mile
Higher

MI WELLS MI3000000087551

Wellid:	63000020886	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	8
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	223		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	25
Const date:	2002-04-24 00:00:00.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	139		
Screen frm:	0		
Screen to:	0		
Swf:	0		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Not Reported
Grouted:	1	Prap cpctly:	0
Latitude:	Non-Responsive		
Longitude:	Non-Responsive		
Method coll:	Interpolation-Map		
Elevation:	0		
Elev method:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swf flag:	SWL = 0		
Elev dem:	735	Elev dif:	735
Elev mkr:	735	Aq code:	Rock Well
Aq flag:	Not Reported		
Pot aq:	10		
Pot aq d:	4	Pot aq r:	19
Pot maq:	18	Pot maq d:	30
Pot maq r:	0	Pot cm:	39
Pot cm d:	66	Pot cm r:	0
Pot pcm:	33	Pot pcm d:	0
Pot pcm r:	81	Pot na:	0
Pot na d:	0	Pot na r:	0
Pot flag:	Not Reported	Rock top:	130
D r type:	MA / AQ	Spa cpctly:	0
A thcknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thckna2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hll swf:	F	A hll top:	F
A hll rock:	F	A sc lth1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpc1:	0	A sc lth2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpc2:	0	Pot aq 1:	25
Pot maq 1:	0	Pot cm 1:	75
Pot pcm 1:	0	Pot na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pot aq 2:	0	Pot maq 2:	0
Pot cm 2:	100	Pot pcm 2:	0
Pot na 2:	0	Pot aq 3:	0
Pot maq 3:	0	Pot cm 3:	100
Pot pcm 3:	0	Pot na 3:	0
Pot aq 4:	2	Pot maq 4:	0
Pot cm 4:	88	Pot pcm 4:	0
Pot na 4:	0	Pot aq 5:	0
Pot maq 5:	42	Pot cm 5:	58
Pot pcm 5:	0	Pot na 5:	0
Pot aq 6:	0	Pot maq 6:	100
Pot cm 6:	0	Pot pcm 6:	0
Pot na 6:	0	Pot aq 7:	0
Pot maq 7:	0	Pot cm 7:	0
Pot pcm 7:	0	Pot na 7:	0
Pot aq 8:	0	Pot maq 8:	0
Pot cm 8:	0	Pot pcm 8:	0
Pot na 8:	0	Pot aq 9:	0
Pot maq 9:	0	Pot cm 9:	0
Pot pcm 9:	0	Pot na 9:	0
Pot aq 10:	0	Pot maq 10:	0
Pot cm 10:	0	Pot pcm 10:	0
Pot na 10:	0	Pot aq 11:	0
Pot maq 11:	0	Pot cm 11:	0
Pot pcm 11:	0	Pot na 11:	0
Pot aq 12:	0	Pot maq 12:	0
Pot cm 12:	0	Pot pcm 12:	0
Pot na 12:	0	Pot aq 13:	0
Pot maq 13:	0	Pot cm 13:	0
Pot pcm 13:	0	Pot na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	R		
Hll swf:	F		
Athk2:	0		
Horiz Conduct:	3.95461		
Vert Conduct:	.00015		
T2:	435.0071		
OS0plek:	87.12062		

36
NW
1/2 - 1 Mile
Higher

MI WELLS MI3000000087123

Wellid:	63000018858	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	7
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	83		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	2202
Const date:	2002-02-22 00:00:00.000	Case type:	Steel
Case dia:	5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth	79		
Screen from	79		
Screen to	83		
Swl	22		
Test depth	75		
Test hours	24		
Test rate	5	Test methd	Test Pump
Grouted	1	Pmp opcity	9
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	771	Elev dif	771
Elev miv	771	Aq code	Drift Well
Aq flag	Not Reported		
Pct aq	13		
Pct aq d	13	Pct aq r	0
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	24
Pct cm d	24	Pct cm r	0
Pct pom	63	Pct pom d	63
Pct pom r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	-1
D r type	Not Reported	Spc. opcity	100000001490116
A thickness	5	A pct aq	100
A pct maq	0	A pct pom	0
A pct cm	0	A pct na	0
A thickness2	61	A pct aq2	8
A pct maq2	0	A pct pom2	59
A pct cm2	33	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Sand
A sc lmod1	Fine	A sc lmaq1	AQ
A sc lpc11	100	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	30
Pct maq 1	0	Pct cm 1	0
Pct pom 1	70	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	0	Pct pom 2	100
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	10
Pct pom 3	90	Pct na 3	0
Pct aq 4	10	Pct maq 4	0
Pct cm 4	90	Pct pom 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pom 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pom 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pom 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pom 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pom 9	0	Pct na 9	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pom 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pom 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pom 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pom 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	D		
Hit swl	F		
Athk2	61		
Horz Conduct	4.09898		
Vert Conduct	.00026		
T2	250.038		
D50plek	26.65456		

H37	Site ID	Not Reported	
West	Groundwater Flow	Not Reported	AQUIFLOW 35972
1/2 - 1 Mile	Shallowest Water Table Depth	Not Reported	
Higher	Deepest Water Table Depth	Not Reported	
	Average Water Table Depth	10	
	Date	12/05/1991	

I38			
NNE			
1/2 - 1 Mile			MI WELLS MI3000000087644
Higher			
Wellid	63000020868	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	180		
Well type	Household		
Wssn	0		
Well num	Not Reported	Driller id	25
Const date	2002-03-27 00:00:00.000	Case type	PVC Plastic
Case dia	5		
Case depth	123		
Screen from	0		
Screen to	0		
Swl	40		
Test depth	126		
Test hours	158		
Test rate	1	Test methd	Test Pump
Grouted	1	Pmp opcity	0
Latitude	Non-Responsive		
Longitude			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Method coll	Interpolation-Map		
Elevation	0		
Elev method	DEM30M	Depth flag:	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem:	738	Elev dif:	738
Elev mlv:	738	Aq code:	Rock Well
Aq flag	Not Reported		
Pct aq:	5		
Pct aq d:	2	Pct aq r:	11
Pct maq:	6	Pct maq d:	0
Pct maq r:	25	Pct cm:	74
Pct cm d:	86	Pct cm r:	51
Pct pcm:	8	Pct pcm d:	13
Pct pcm r:	0	Pct na:	4
Pct na d:	0	Pct na r:	13
Pct flag:	Not Reported	Rock top:	119
D r type:	Not Reported	Spv cpolty:	0
A thickness:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickness2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpc1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpc2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	25
Pct pcm 1:	75	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	10	Pct maq 4:	0
Pct cm 4:	80	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec:	Y	Loc match:	Y
Az code 1:	R		
Hit swl:	F		
Altk2:	0		
Horiz Conduct:	.50515		
Vert Conduct:	.0001		
T2:	50.0097		
D50plek:	10.25088		

139			
NNE		MI WELLS	MI3000000087698
1/2 - 1 Mile			
Higher			
Wellid:	63000021220	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	8
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	Not Reported		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	25
Const date:	2002-08-28 00:00:00.000	Case type:	Steel
Case dia:	5		
Case depth:	135		
Screen frm:	0		
Screen to:	0		
Swl:	61		
Test depth:	71		
Test hours:	2		
Test rate:	18	Test methd:	Test Pump
Grouted:	1	Pmp cpolty:	18
Latitude:	Non-Responsive		
Longitude:	Non-Responsive		
Method coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swl flag:	Not Reported		
Elev dem:	738	Elev dif:	738
Elev mlv:	738	Aq code:	Rock Well
Aq flag:	Not Reported		
Pct aq:	3		
Pct aq d:	0	Pct aq r:	100
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	44
Pct cm d:	46	Pct cm r:	0
Pct pcm:	53	Pct pcm d:	54
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	136
D r type:	Not Reported	Spv cpolty:	.300000011920929
A thickness:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickness2:	0	A pct aq2:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct ag 1	0
Pct maq 1	0	Pct cm 1	100
Pct pcm 1	0	Pct na 1	0
Pct ag 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct ag 3	0
Pct maq 3	0	Pct cm 3	30
Pct pcm 3	70	Pct na 3	0
Pct ag 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	100
Pct na 4	0	Pct ag 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	100	Pct na 5	0
Pct ag 5	0	Pct maq 6	0
Pct cm 6	64	Pct pcm 6	36
Pct na 6	0	Pct ag 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct ag 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct ag 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct ag 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct ag 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct ag 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct ag 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within suc	Y	Loc match	Y
Aq code 1	R		
Hit swl	F		
Atk2	0		
Horiz Conduct	0075		
Vert Conduct	00024		
T2	86475		
D50plek	.28116		

140
NNE
1/2 - 1 Mile
Higher

MI WELLS MI3000000087702

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid	63000020499	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	100		
Well type	Household		
Wssn	0		
Well num	Not Reported	Driller id	25
Const date	2002-03-14 00:00 00:000	Case type	PVC Plastic
Case dia	5		
Case depth	143		
Screen fin	0		
Screen to	0		
Swl	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Not Reported
Grouded	1	Pmp capcity	0
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	SWL = 0		
Elev dem	738	Elev dif	738
Elev niv	738	Aq code	Rock Well
Aq flag	Not Reported		
Pct ag	1		
Pct ag d	1	Pct ag r	0
Pct niaq	2	Pct maq d	2
Pct niaq r	0	Pct cm	74
Pct cm d	70	Pct cm r	52
Pct pcm	22	Pct pcm d	28
Pct pcm r	0	Pct na	2
Pct na d	0	Pct na r	8
Pct flag	Not Reported	Rock top	141
D r type	Not Reported	Soc capcity	0
A thickness	0	A pct ag	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct ag2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc12	0	Pct ag 1	0
Pct maq 1	0	Pct cm 1	40
Pct pcm 1	60	Pct na 1	0
Pct ag 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct ag 3	0
Pct maq 3	15	Pct cm 3	85
Pct pcm 3	0	Pct na 3	0
Pct ag 4	0	Pct maq 4	0
Pct cm 4	100	Pct pcm 4	0
Pct na 4	0	Pct ag 5	0
Pct maq 5	0	Pct cm 5	100
Pct pcm 5	0	Pct na 5	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 5	4	Pct maq 6	0
Pct cm 5	44	Pct pcm 5	52
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Hit swl	F		
Mnk2	0		
Horiz Conduct	53749		
Vert Conduct	00013		
T2	65.036		
D50plek	16.02643		

J41
NE
1/2 - 1 Mile
Higher

Wellid	63000019391	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	130		
Well type	Household		
Wken	0		
Well num	Not Reported	Driller id	1154
Const date	2000-12-08 00:00 00.000	Case type	Steel
Case dia	4		
Case depth	122		
Screen frm	0		
Screen to	0		
Swl	28		
Test depth	30		
Test hours	6	Test methd	Bailer
Test rate	20	Pmp cpcity	0
Grovled	1		
Latitude	Non-Responsive		
Longitude	Non-Responsive		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Methd coll	Interpolation-Map		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	712	Elev dif	712
Elev miv	712	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	2		
Pct aq d	0	Pct aq r	27
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	29
Pct cm d	25	Pct cm r	73
Pct pcm	66	Pct pcm d	72
Pct pcm r	0	Pct na	2
Pct na d	3	Pct na r	0
Pct flag	Not Reported	Rock top	119
D r type	Not Reported	Spccpcty	.6999395968679031
A thickness	0	A pcl aq	0
A pcl maq	0	A pcl pcm	0
A pcl cm	0	A pcl na	0
A thickness2	0	A pcl aq2	0
A pcl maq2	0	A pcl pcm2	0
A pcl cm2	0	A pcl na2	0
A hit swl	F	A hit top	T
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmod1	Not Reported
A sc lmod1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmod2	Not Reported
A sc lmod2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	85
Pct pcm 1	0	Pct na 1	15
Pct aq 2	0	Pct maq 2	0
Pct cm 2	65	Pct pcm 2	35
Pct na 2	0	Pct aq 3	0
Pct maq 3	0	Pct cm 3	0
Pct pcm 3	100	Pct na 3	3
Pct aq 4	0	Pct maq 4	0
Pct cm 4	0	Pct pcm 4	100
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	0
Pct pcm 5	100	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec Y
 Aq code 1 R
 Hit swl F
 Athk2 0
 Horiz Conduct 00427
 Vert Conduct 00038
 T2 42268
 D50plek .12427

Loc match Y

J42
 NE
 1/2 - 1 Mile
 Higher

MI WELLS MI3000000087182

Wellid	63000019721	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr:	Non-Responsive		
Well depth	160		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	1710
Const date	2000-06-19 00:00:00.000	Case type	PVC Plastic
Case dia	5		
Case depth	124		
Screen frm	0		
Screen to	0		
Swl	60		
Test depth	120		
Test hours	2		
Test rate	10	Test methd	Air
Gorited	1	Pmp cpcity	10
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Method coll	Address Matching-1 House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	715	Elev dif	715
Elev min	715	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	12		
Pct aq d	2	Pct aq r	47
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cm	68
Pct cm d	71	Pct cm r	53
Pct pcm	21	Pct pcm d	26
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	126
D 1 type	Not Reported	Spc cpcity	0
A thicknes	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickne2	0	A pct aq2	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit lcp	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpcr1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpcr2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	40
Pct pcm 1	60	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	15
Pct maq 3	0	Pct cm 3	30
Pct pcm 3	55	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	50	Pct pcm 4	50
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	100
Pct pcm 5	0	Pct na 5	0
Pct aq 6	0	Pct maq 6	0
Pct cm 6	100	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Hit swl	F		
Athk2	0		
Horiz Conduct	1.41537		
Vert Conduct	.00013		
T2	150.0292		
D50plek	30.78219		

43
 NE
 1/2 - 1 Mile
 Higher

MI WELLS MI3000000087401

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid	67000019723	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	167		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	1710
Const date	2000-06-19 00:00:00.000	Case type	PVC Plastic
Case dia	5		
Case depth	128		
Screen frm	0		
Screen to	0		
Swl	60		
Test depth	130		
Test hours	2		
Test rate	20	Test methd	Air
Grouted	1	Pmp cpcity	10
Latitude	Non-Responsive		
Longitude	Non-Responsive		
Methd coll	Address Matching-House Number		
Elevation	0		
Elev methd	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
Swl flag	Not Reported		
Elev dem	718	Elev dif	718
Elev niv	718	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	14		
Pct aq d	2	Pct aq r	59
Pct maq	0	Pct maq d	0
Pct maq r	0	Pct cin	65
Pct cm d	71	Pct cm r	41
Pct pcm	21	Pct pcm d	26
Pct pcm r	0	Pct na	0
Pct na d	0	Pct na r	0
Pct flag	Not Reported	Rock top	126
D r type	Not Reported	Sp cpcity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1:	0
Pct maq 1	0	Pct cm 1	40
Pct pcm 1	60	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	15
Pct naq 3	0	Pct cm 3	30
Pct pcm 3	55	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	50	Pct pcm 4	50
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	100
Pct pcm 5	0	Pct na 5	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 6	0	Pct maq 6	0
Pct cm 6	100	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	R		
Hit swl	F		
Altk2	0		
Horiz Conduct	1.41537		
Vert Conduct	.00013		
T2	153.0292		
D50plek	30.78219		

K44
NNE
1/2 - 1 Mile
Higher

MI WELLS MI3000000987831

Wellid	63000021859	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	100		
Well type	Household		
Wsen	0		
Well num	Not Reported	Driller id	25
Const date	2002-05-31 00:00:00.000	Case type	PVC Plastic
Case dia	5		
Case depth	126		
Screen frm	0		
Screen to	0		
Swl	40		
Test depth	160		
Test hours	72		
Test rate	1	Test methd	Test Pump
Grouted	1	Pmp cpcity	1
Latitude	Non-Responsive		
Longitude			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Method coll	Address Matching-House Number		
Elevation	0		
Elev method	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
SWI flag	Not Reported		
Elev dem	741	Elev dif	741
Elev min	741	Aq code	Rock Well
Aq flag	Not Reported		
Pct aq	1		
Pct aq d	1	Pct aq r	0
Pct maq	2	Pct maq d	2
Pct maq r	0	Pct cm	74
Pct cm d	70	Pct cm r	92
Pct pcm	22	Pct pcm d	28
Pct pcm r	0	Pct na	2
Pct na d	0	Pct na r	8
Pct flag	Not Reported	Rock top	141
D r type	Not Reported	Spc opcity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0
A pct maq2	0	A pct pcm2	0
A pct cm2	0	A pct na2	0
A hit swl	F	A hit top	F
A hit rock	F	A sc lith1	Not Reported
A sc lmod1	Not Reported	A sc lmaq1	Not Reported
A sc lpc1	0	A sc lith2	Not Reported
A sc lmod2	Not Reported	A sc lmaq2	Not Reported
A sc lpc2	0	Pct aq 1	0
Pct maq 1	0	Pct cm 1	40
Pct pcm 1	60	Pct na 1	0
Pct aq 2	0	Pct maq 2	0
Pct cm 2	100	Pct pcm 2	0
Pct na 2	0	Pct aq 3	0
Pct maq 3	15	Pct cm 3	85
Pct pcm 3	0	Pct na 3	0
Pct aq 4	0	Pct maq 4	0
Pct cm 4	100	Pct pcm 4	0
Pct na 4	0	Pct aq 5	0
Pct maq 5	0	Pct cm 5	100
Pct pcm 5	0	Pct na 5	0
Pct aq 6	4	Pct maq 6	0
Pct cm 6	44	Pct pcm 6	52
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Not maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Within sec	Y	Loc match	Y
Aq code 1	R		
Hit swl	F		
Athk2	0		
Horiz Conduct	53749		
Vert Conduct	.00013		
T2	65.036		
D50plek	16.02643		

K45			
NNE		MI WELLS	MI3000000087820
1/2 - 1 Mile			
Higher			
Wellid	63000020304	Import id	Not Reported
County	Oakland	Township	Southfield
Town range	01N 10E	Section	8
Owner name	Non-Responsive		
Well addr	Non-Responsive		
Well depth	159		
Well type	Household		
Wsen	0		
Well num	#2	Driller id	25
Const date	2002-02-06 00 00 00.000	Case type	Unknown
Case dia	-1		
Case depth	0		
Screen frm	0		
Screen to	0		
Swl	0		
Test depth	0		
Test hours	0		
Test rate	0	Test methd	Unknown
Grouted	1	Pmp opcity	0
Latitude	Non-Responsive		
Longitude			
Method coll	Address Matching-House Number		
Elevation	0		
Elev method	DEM30M	Depth flag	Not Reported
Elev flag	Elevation < DEMmin or Elevation > DEMmax		
SWI flag	SWL = 0		
Elev dem	741	Elev dif	741
Elev min	741	Aq code	Not Reported
Lithology Problem (Drift under Rock)			
Aq flag	0		
Pct aq	0	Pct aq r	0
Pct aq d	0	Pct maq d	0
Pct maq	0	Pct cm	0
Pct maq r	0	Pct cm r	0
Pct cm d	0	Pct pcm d	0
Pct pcm	0	Pct na	0
Pct pcm r	0	Pct na r	0
Pct na d	0		
Pct flag	Not Reported	Rock top	-9
D r type	Not Reported	Spc opcity	0
A thickness	0	A pct aq	0
A pct maq	0	A pct pcm	0
A pct cm	0	A pct na	0
A thickness2	0	A pct aq2	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

A pct maq2:	0	A pct pom2:	0
A pct cm2:	0	A pct na2:	0
A hit swt:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpc1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpc2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	20
Pct cm 1:	80	Pct na 1:	0
Pct cm 2:	0	Pct maq 2:	0
Pct na 2:	100	Pct cm 2:	0
Pct maq 3:	0	Pct aq 3:	10
Pct cm 3:	0	Pct cm 3:	60
Pct pom 3:	30	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	5
Pct cm 4:	0	Pct pom 4:	95
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	35	Pct cm 5:	0
Pct cm 5:	65	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	20
Pct cm 6:	80	Pct pom 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct cm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pom 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pom 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pom 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pom 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pom 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pom 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swt:	Not Reported		
Alth2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

J46
NE
1/2 - 1 Mile
Higher

MI WELLS MI3000000086982

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	63000022583	Import id:	Not Reported
County:	Oakland	Township:	Southfield
Town range:	01N 10E	Section:	8
Owner name:	Non-Responsive		
Well addr:	Non-Responsive		
Well depth:	100		
Well type:	Household		
Wsen:	0		
Well num:	Not Reported	Driller id:	1154
Const date:	2002-05-01 00:00:00.000	Case type:	Steel
Case dia:	5		
Case depth:	120		
Screen frm:	0		
Screen to:	0		
Swf:	40		
Test depth:	70		
Test hours:	1		
Test rate:	20	Test methd:	Other
Grouted:	1	Pmp cpolty:	18
Latitude:	Non-Responsive		
Longitude:	Non-Responsive		
Methd coll:	Address Matching-House Number		
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation > DEMmax		
Swf flag:	Not Reported		
Elev dem:	715	Elev dif:	715
Elev mlv:	715	Aq code:	Not Reported
Aq flag:	Lithology Problem (Drift under Rock)		
Pct aq:	0		
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pom:	0	Pct pom d:	0
Pct pom r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-9
D r type:	Not Reported	Spc cpolty:	0
A thiknes:	0	A pct aq:	0
A pct maq:	0	A pct pom:	0
A pct cm:	0	A pct na:	0
A thiknes2:	0	A pct aq2:	0
A pct maq2:	0	A pct pom2:	0
A pct cm2:	0	A pct na2:	0
A hit swt:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpc1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpc2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	75
Pct pom 1:	25	Pct na 1:	0
Pct aq 2:	30	Pct maq 2:	0
Pct cm 2:	0	Pct pom 2:	70
Pct na 2:	0	Pct aq 3:	45
Pct maq 3:	0	Pct cm 3:	0
Pct pom 3:	55	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pom 4:	100
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	15	Pct cm 5:	35
Pct pom 5:	50	Pct na 5:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 6	0	Pct maq 6	0
Pct cm 6	0	Pct pcm 6	0
Pct na 6	0	Pct aq 7	0
Pct maq 7	0	Pct cm 7	0
Pct pcm 7	0	Pct na 7	0
Pct aq 8	0	Pct maq 8	0
Pct cm 8	0	Pct pcm 8	0
Pct na 8	0	Pct aq 9	0
Pct maq 9	0	Pct cm 9	0
Pct pcm 9	0	Pct na 9	0
Pct aq 10	0	Pct maq 10	0
Pct cm 10	0	Pct pcm 10	0
Pct na 10	0	Pct aq 11	0
Pct maq 11	0	Pct cm 11	0
Pct pcm 11	0	Pct na 11	0
Pct aq 12	0	Pct maq 12	0
Pct cm 12	0	Pct pcm 12	0
Pct na 12	0	Pct aq 13	0
Pct maq 13	0	Pct cm 13	0
Pct pcm 13	0	Pct na 13	0
Within sec	Y	Loc match	Y
Aq code 1	Not Reported		
Hll swl	Not Reported		
Athk2	0		
Horiz Conduct	0		
Vert Conduct	0		
I2	0		
D50plek	0		

47
West
1/2 - 1 Mile
Higher

FED USGS USGS40000482026

Org. Identifier	USGS-MI	Drainagearea value.	Not Reported
Formal name	USGS Michigan Water Science Center	Contrib drainagearea.	Not Reported
Monloc Identifier	USGS-423009083191401	Latitude	42.5025347
Monloc name	01N 08E 12DD 01	Source map scale	Not Reported
Monloc type	Well	Horiz Acc measure units	seconds
Monloc desc	Not Reported		
Huc code	04090004	Vert measure val	750
Drainagearea Units	Not Reported	Vertacc measure val	10
Contrib drainagearea units	Not Reported		
Longitude	Non-Response		
Horiz Acc measure	5		
Horiz Collection method	Interpolated from map		
Horiz coord refs	NAD83		
Vert measure units	feet		
Vert acc measure units	feet		
Vert collection method	Interpolated from topographic map		
Vert coord refs	NAD83	Countrycode	US
Aquifer name	Not Reported		
Formation type	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type	Not Reported	Well depth	275
Construction date	Not Reported	Well hole depth	Not Reported
Well depth units	ft		
Well hole depth units	Not Reported		

Ground-water levels, Number of Measurements 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
48034	3/7/2006		1.3
48034	9/21/2008		1.2
48034	11/1/2003		1.2
48034	3/13/2004		1.2
48034	2/1/2005		1.2
48034	5/14/2007		1.2
48034	2/21/2002		1.1
48034	2/12/2002		1.0
48034	1/30/2003		1.0
48034	6/27/2006		1.0
48034	4/16/2007		1.0
48034	12/29/1995	<	0.3
48034	8/6/2004		0.5
48034	8/17/2004	<	0.3
48034	11/6/1995		0.4
48034	2/28/1995		0.3
48034	12/15/2003		0.6
48034	2/13/2006		0.6
48034	2/4/2006		0.7
48034	11/19/2007		0.6
48034	5/19/1994		0.8
48034	2/13/1995		0.8
48034	7/18/2006		2.4
48034	10/19/2006		2.3
48034	6/6/2005		2.6
48034	6/6/2005		2.8
48034	2/15/2008	<	0.3
48034	10/27/1998		3.7
48034	4/15/1999		1.7
48034	10/29/2005		2.0
48034	7/16/2007		2.1
48034	2/4/2002		4.4

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48034

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Ginkman Map, USGS Digital Data Series DDS-11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS Public Water Systems

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS EHF Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality
Telephone: 517-335-9218

The data in this file was obtained from Welllog, the Michigan Department of Environmental Quality State-wide Groundwater Database (SGWD). Welllog contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database MI Radon

Source: Department of Environmental Quality
Telephone: 517-335-9551
Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality
Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS
Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities

Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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Testing Engineers & Consultants, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
NORTHWESTERN TWELVE BUILDING
25899 W 12 MILE RD, SOUTHFIELD, MICHIGAN

TEC REPORT 54072
DECEMBER 11, 2013

APPENDIX G

ADDITIONAL DOCUMENTATION

General Property Information

City of Southfield

[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 76-24-18-226-041 Unit: CITY OF SOUTHFIELD Data Current As Of: 11/11/2013 10:47:14 PM

Property Address [collapse]

25899 W 12 MILE RD
SOUTHFIELD, MI 48034

Owner Information [collapse]

NORTHWEST TWELVE LTD PTR
Non-Responsive

Unit:

Non-

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class:	201 - 201-BUSINESS IMPROVED	Assessed Value:	\$1,056,620
School District:	250 - Southfield	Taxable Value:	\$1,024,000
State Equalized Value:	\$1,056,620	Map #	
USER NUM IDX	0	Date of Last Name Chg:	N/A
		Date Filed:	
		Notes:	N/A
Historical District:	N/A	Census Block Group:	N/A

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	-
2013	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	\$1,200,390	\$1,000,000	\$1,000,000
2011	\$1,253,800	\$1,100,000	\$1,100,000

Land Information [collapse]

	Frontage	Depth
Lot 1:	0.00 Ft.	0.00 Ft.
Lot 2:	0.00 Ft.	0.00 Ft.
Lot 3:	0.00 Ft.	0.00 Ft.
Total Frontage:	0.00 Ft.	Average Depth: 0.00 Ft.

Total Acreage:	1.73		
Zoning Code:	N/A		
Land Value:	\$600,960	Mortgage Code:	N/A
Land Improvements:	\$47,720	Lot Dimensions/Comments:	
Renaissance Zone:	NO		
Renaissance Zone Expiration Date:			

ECF Neighborhood Code: 2540 - 2540 OFFICE 20,000-50,000 S.F.

Legal Information for 76-24-18-226-041 [collapse]

T1N,R10E,SEC 18 PART OF NE 1/4 BEG AT PT DIST S 89-53-45 W 327.60 FT FROM NE SEC COR, TH S 435.60 FT, TH S 89-53-45 W 200.00 FT, TH N 435.60 FT, TH N 89-53-45 E 200.00 FT TO BEG EXC N 60 FT TAKEN FOR TWELVE MILE RD 1.720A 000000

Sales Information

2 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
<input type="checkbox"/> 03/04/1986	\$0.00	QC	NW TWELVE LTD PTR	CITY OF SOUTHFIELD	LAND ONLY	10313/799
Note						
ROW						
12/17/1985	\$0.00	QC	TRANSCON BUILDERS INC	N W TWELVE LIMITED PARTNERSHIP	VERIFIED SALE	09435/232

Building Information

1 building(s) found.

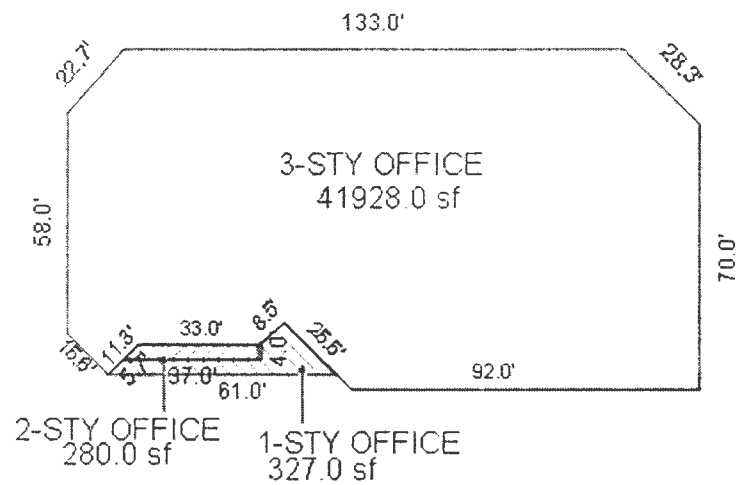
Description	Floor Area	Yr Built	Est. TCV
<input type="checkbox"/> Commercial/Industrial Building 1 - Office Building	38750 Sq. Ft.	1985	\$1,484,969

General Information

Floor Area:	38750 Sq. Ft.	Estimated TCV:	\$1,484,969
Occupancy:	Office Building	Class:	C
Stories Above Ground:	3	Average Story Height:	13
Basement Wall Height:	N/A	Year Remodeled:	0
Year Built:	1985	Heat:	Package Heating & Cooling
Percent Complete:	100%	Functional Percent Good:	100%
Physical Percent Good:	56%	Effective Age:	29 yrs.
Economic Percent Good:	100%		

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Sketch by Apex Medina™

Subject property building sketch from City of...

Southfield

the center of it all™

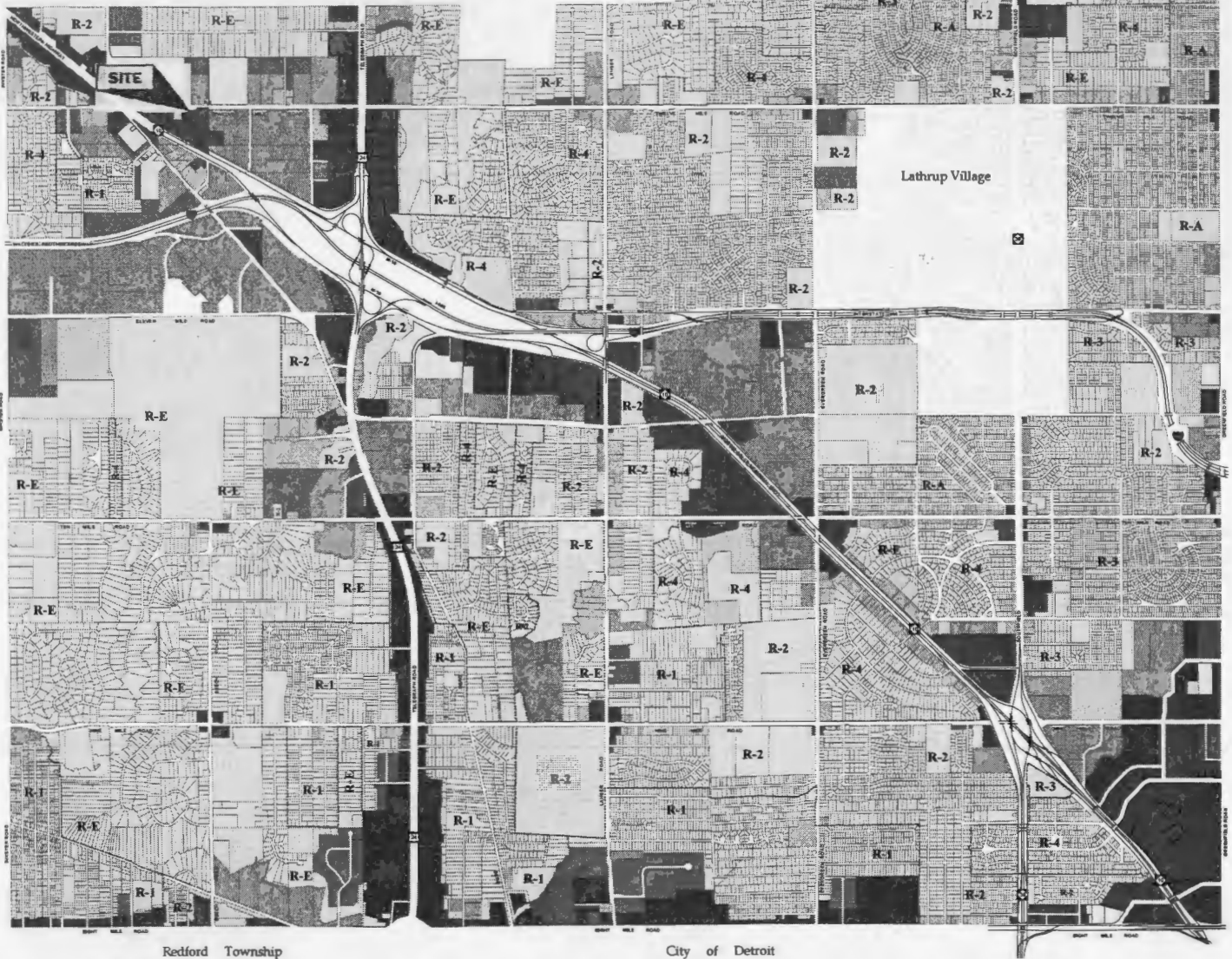
Village of Franklin

Village of Bingham Farms

Village of Beverly Hills

Hills
Farmington
of
City

Royal Oak
City of Berkley
Oak Park
R.O. Township
City of Oak Park

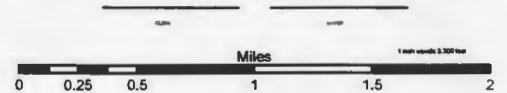


Redford Township

City of Detroit

AUTYGRAPHED BY

- | | |
|-----------------------------------|---|
| R-1 SINGLE FAMILY | O-1 OFFICE SERVICE |
| R-2 SINGLE FAMILY | B-1 EDUCATION RESEARCH - OFFICE LIMITED |
| R-3 SINGLE FAMILY | B-2 EDUCATION RESEARCH - OFFICE |
| R-4 SINGLE FAMILY | T-1 TELEVISION AND OFFICE STUDIOS |
| R-E SINGLE FAMILY | R-1 HIGH-SCHOOL SHOPPING |
| R-A SINGLE FAMILY | R-2 REGIONAL SHOPPING |
| R-1 ATTACHED SINGLE FAMILY | R-3 HIGH-SCHOOL BUSINESS |
| R-2 MULTIPLE FAMILY (2-4 UNITS) | R-4 PLANNED BUSINESS |
| R-3 MULTIPLE FAMILY (5-9 UNITS) | R-5 GENERAL BUSINESS |
| R-4 MULTIPLE FAMILY (10-19 UNITS) | R-6 LIGHT INDUSTRIAL |
| R-5 REGIONAL CENTER | R-7 INDUSTRIAL |
| R-6 HIGHWAY PASSING | |



ZONING DISTRICTS

City of Southfield - Oakland County, Michigan

City of Southfield Planning Commission

Last Update: 08/01/2009 (12-21-08)

Note: Due to the scale of this map, the zoning of specific parcels should be determined by the City of Southfield Planning Department.



Department of Health & Human Services

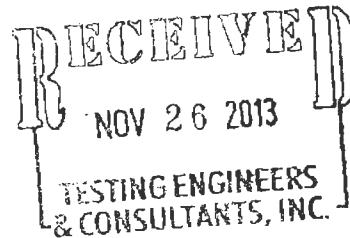
oakgov.com/health

L. BROOKS PATTERSON, OAKLAND COUNTY EXECUTIVE

Kathleen Forzley, RS, MPA, Manager
HEALTH DIVISION

November 21, 2013

DONALD KAYLOR
TEC
PO BOX 249
TROY MI 48099



RE: FOIA REQUEST
25899 W 12 MILE RD
SOUTHFIELD, OAKLAND COUNTY, MI
PARCEL #: 76-24-18-226-041

Dear Mr. Kaylor:

Per your request and a review of our records, the Oakland County Health Division (OCHD) has no information regarding on-site sewage disposal permits, water well logs, or water well permits for the captioned property.

At this time OCHD is not conducting ongoing monitoring of any groundwater pollutants for the captioned property, nor are there files for historical monitoring on this site. There are no known landfills on this property. This Division does not maintain files for LUSTs, ASTs or USTs for this site.

It is recommended that you contact the Michigan Department of Environmental Quality as that agency has regulatory authority over certain environmental pollutants and monitoring activities. Similarly, it is advised that you contact the local water supply and sewer agencies as they may have authority over certain aspects of the captioned property. If you have any questions, please contact this Division at (248) 858-1312.

Sincerely,

OAKLAND COUNTY HEALTH DIVISION
Department of Health and Human Services

Richard C. Peresky, R.E.H.S., M.S.
Senior Public Health Sanitarian
Environmental Health Services

cc: Anthony Drautz, R.S., M.S.A., Administrator, Environmental Health Services

a:\ehs\25899 W 12 Mile Rd.doc FOIA

NORTH OAKLAND HEALTH CENTER
1200 NORTH TELEGRAPH ROAD
PONTIAC MICHIGAN 48341-0432
General Information 248-858-1280

SOUTH OAKLAND HEALTH CENTER
27725 GREENFIELD ROAD
SOUTHFIELD MICHIGAN 48076-3663
General Information 248-424-7000

Donald C. Kaylor

From: Murphy, Sueann (DEQ) <MURPHYS4@michigan.gov>
Sent: Wednesday, December 04, 2013 09:53
To: dkaylor@tectest.com
Subject: FOIA REQUEST 0904-14
Attachments: 0904.PDF; CERTIFICATE.PDF; GENERAL TAB.PDF; LICENSES.PDF

Importance: High

Your request and our response is attached.

Thank you.

*Sueann Murphy, Secretary
Solid Waste Section
Office of Waste Management & Radiological Protection
Department of Environmental Quality*

*E-mail: murphys4@michigan.gov
Phone: 517-284-6588 [NEW NUMBER]
Fax: 517-373-4051*

<i>Mailing Address:</i>	<i>Physical Address:</i>
<i>P.O. Box 30241</i>	<i>Constitution Hall 4-S</i>
<i>Lansing, Michigan 48909</i>	<i>525 West Allegan Street</i>
	<i>Lansing, Michigan 48933</i>

License 2000 - 1 - DCH Production - Department of Community Health

File Person/Facility License Activities Window Help

Licensee - MEDICOLEGAL SERVICES INC (Medical Waste Producers)

General Licenses Employees Public Info Corporation Supp. Info.

License #	Type	Status	Probation?	Limited?
MYV0009862	Other (specify)	Active	<input type="checkbox"/>	<input type="checkbox"/>

Address Issue Date: 08/14/1992 Applicant Number: 2121385
Detail Obtained By: Application MyLicense Number: 415863
Specialties From State/Prov.: From Country:
Supp. Info. Expiration Date: 08/31/2013
Additional Date This Status: 08/23/2010 Last Renewal Date: 08/23/2010 Renewal ID: 1353575
Reason Changed: Migrated Historical Data
Date Archived:
Effective Date: 08/14/1992
Last Reprint Date:
Reprint Count: 0

Remarks

Ready

License 2000 - 1 - DCH Production - Department of Community Health

File Person/Facility Window Help

Licensee - MEDICOLEGAL SERVICES INC (Medical Waste Producers)

General Licenses Employees Public Info Corporation Supp. Info.

Name: MEDICOLEGAL SERVICES INC

Owner/Off: ANTHONY F SCHIMIZZI - ADMINISTRATOR

Hold/Alert: ☐ Registration Date: 00/00/0000

Address: 25899 W 12 MILE RD STE 200

Additional:

SOUTHFIELD MI 48034

United States Oakland

Phone: (248) 352-6747 Unlisted? ☐

City: () - Unlisted? ☐

First Offices

Offices

Addresses

Remarks

Other Phones

Ready

MEDICOLEGAL SERVICES INC
25899 W 12 MILE RD STE 200
SOUTHFIELD, MI 48034

Please contact the Medical Waste Regulatory
Program at 517-335-1146 with questions.

Date Issued:

08/23/2010

fold here



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

**CERTIFICATE OF REGISTRATION AS A
MEDICAL WASTE PRODUCING FACILITY**

Registrant: MEDICOLEGAL SERVICES INC
25899 W 12 MILE RD STE 200
SOUTHFIELD, MI 48034

This certificate of registration is hereby issued to the registrant as a producing facility of medical waste. The registrant is subject to all applicable rules and requirements of the Medical Waste Regulatory Act by authority of Part 138 of 1978 PA 368, as amended, and orders related thereto issued by the department.

Registration No.:
MW0009862

Expiration Date:
08/31/2013

Facility Type:
Other (specify)

EQP 1710 (Rev. 02/2010)

fold here

Donald C. Kaylor

From: DEQFOIA <DEQFOIA@michigan.gov>
Sent: Thursday, November 21, 2013 10:52
To: dkaylor@tectest.com
Subject: Request for Disclosure of Official Files

Mr. Donald Kaylor
Testing Engineers & Consultants, Inc.
1343 Rochester Road
Troy, MI 48063-6015

Dear Mr. Kaylor:

SUBJECT: Request for Disclosure of Official Files

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on November 21, 2013. You have requested information that you describe as "25899 W 12 Mile Road, Southfield."

Please refer to the following tracking code if you have any questions: **FOIA 0904-14.**

Your request will be forwarded to the following divisions: RD, RMD, WRD*

You will be contacted by the division(s) on or before: 12/2/2013

Susan Vorce, FOIA Coordinator
Office of Environmental Assistance
Department of Environmental Quality
800-662-9278
deqfoia@michigan.gov

*Abbreviations

AQD – Air Quality Division
RD - Remediation and Redevelopment Division
RMD - Resource Management Group
WRD - Water Resources Division

The DEQ strives to continually improve its customer service to FOIA requestors. To provide input for improvements to the FOIA process, please complete this survey: <https://www.surveymonkey.com/s/foiaprocess>

Donald C. Kaylor

From: DEQFOIA <DEQFOIA@michigan.gov>
Sent: Tuesday, December 03, 2013 08:22
To: dkaylor@tectest.com
Subject: Request for Disclosure of Official Files – Remediation and Redevelopment Division

Mr. Donald Kaylor
Testing Engineers & Consultants, Inc.
1343 Rochester Road
Troy, MI 48083-6015

Dear Mr. Kaylor:

SUBJECT: Request for Disclosure of Official Files – Remediation and Redevelopment Division

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on November 21, 2013. You have requested information that you describe as "25899 W 12 Mile Road, Southfield" (FOIA 0904-14).

The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. Your request to examine or receive a copy of the documents described above is denied.

To the best of this public body's knowledge, information, and belief, the public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Under section 10 of the FOIA, you may do either of the following:

- 1) Appeal this decision in writing to the Director of the Department of Environmental Quality, P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal," and must identify the reason or reasons you believe the denial should be reversed. The head of the department, or his designee, must respond to your appeal within 10 days after its receipt. Under unusual circumstances, the time for response to your appeal may be extended by 10 business days.
- 2) File an action in circuit court within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements. Further, if the court finds the denial to be arbitrary and capricious, you may receive punitive damages in the amount of \$500.00.

Susan Vorce, FOIA Coordinator
Office of Environmental Assistance
Department of Environmental Quality
800-662-9278
degfoia@michigan.gov

The DEQ strives to continually improve its customer service to FOIA requesters. To provide input for improvements to the FOIA process, please complete this survey: <https://www.surveymonkey.com/s/foiaprocess>

Donald C. Kaylor

From: Lucas, Jim (LARA) <LUCASJ@michigan.gov>
Sent: Monday, December 02, 2013 16:20
To: dkaylor@tectest.com
Subject: Response to the FOIA Request Dated 11/20/13

Donald C. Kaylor: In response to your November 20, 2013 Freedom of Information Act (FOIA), MCL 15.231 et seq., request I have researched the following addresses: 25899 W 12 Mile road, Southfield, Oakland County, Michigan 48034 in the Storage Tank Database. I did not locate any evidence of Registered Storage Tanks at this address. Consequently, your request is denied. Pursuant to MCL 15.235, Section 5 (4)(b) of the Michigan FOIA, I certify that to the best of my knowledge, information, and belief the records requested do not exist within this Department under the name given by you, or other reasonably known names.

Effective December 2, 2012, the Aboveground & Underground Storage Tank Regulatory programs were transferred from the DEQ to the Department of Licensing and Regulatory Affairs (DLARA). The Leaking Underground Storage Tank cleanup program remains in the DEQ.

For all FOIA requests related to the Leaking Underground Storage Tank programs and Remediation, you may wish to submit your request directly to DEQFOIA@michigan.gov.

If you have any questions please feel free to contact me at lucasj@michigan.gov or (517) 335-7279.

Per MCL 15.240 of the Michigan FOIA, you may submit an appeal regarding the denial of any portion of your FOIA request to Mr. Steve Arwood, Director, Michigan Department of Licensing and Regulatory Affairs, Attention, Michael Zimmer, Chief Deputy Director, P.O. Box 30004, Lansing, MI 48909. Your appeal must include the word "appeal" and identify the reasons for reversal of any disclosure denial; or (2) you may seek judicial review in circuit court within 180 days after the Department's final determination. If you prevail in court action, the court may award you reasonable attorney fees, costs, and disbursements, If the court finds the Department's actions to be arbitrary and capricious, the court shall award you, in addition to any actual or compensatory damages, punitive damages in the amount of \$500.00. Jim Lucas

REMEDATION AND REDEVELOPMENT DIVISION PERFECTED LIEN LIST

The Department of Environmental Quality (DEQ), Remediation and Redevelopment Division (RRD) has perfected liens on property pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 *et seq.*

The following is a current listing of liens perfected by the RRD on property as of the date that appears on this list. The list will be updated only when the RRD has perfected a new lien on a property, or has released a lien from a property. A new date will then appear on the list. *This list does not include any lien(s) that may have been perfected by another DEQ Division or other entity.* For information regarding this list, please contact Darren Bowling at 517-284-5068 or by e-mail at bowlingd@michigan.gov. For lien information related to the Resource Management Division or the Office of Oil, Gas & Minerals, please call 517-335-6766 respectively.

The information provided herein cannot be construed or interpreted as legal verification that a perfected lien does not exist on a particular property, or that a lien is the only perfected lien on a property. To obtain legal verification, you must access official records from the appropriate County Register of Deeds and/or the Michigan Secretary of State when applicable.

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>		<i>Tax Code</i>
Alcona		Harrisville	216 S. US23			13	T26N R9E	
Allegan	Watson					24	T2N R12W	23-24-001-10
Allegan	Watson					24	T2N R12W	23-24-001-10
Alpena		Alpena	4709 Long Rapids Rd.	Lake Winyah Shores Sub	Lot 43			
Antrim	Milton	Rapid City	12929 Cherry Ave.	Plat of New Highlands	Lot 14			
Antrim		Ellsworth	Vlg. Of Ellsworth					
Antrim		Ellsworth	Vlg. Of Ellsworth					
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N R8W	05-44-013-061-00
Antrim		Ellsworth	Vlg. Of Ellsworth			14	T32N R8W	05-44-023-004-00
Antrim		Ellsworth	Vlg. Of Ellsworth	Vlg Ellsworth		14	T32N R8W	05-44-023-002-00
Antrim		Riverview	6235 Crystal Springs Rd.	Supervisor's Plat of Riverview	Lot 1			
Arenac	Mason	Turner	50 Mason Road			12	T20N R5E	
Arenac		Standish	105 N. Main	Assessor's Plat 5	Lot 370			40-2-500-000-370-00
Arenac	Mason	Turner	50 Mason Road			12	T20N R5E	
Baraga	L'anse	L'anse	Winter St.			9	T50N R33W	
Bay		Bay City	1113 Center Ave.	James Fraser's First Addition	Lots 4&5, Blk 3			
Benzie		Lake Ann Vlg	P.O. Box 62 1st St.		Lots 7 & 9, Blk 28			
Berrien	Benton	Benton Harbor				T4S	R18W	11-045-18W-05DB

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Berrien		Watervliet	106 E. St. Joseph St.	Sutherland's Addition	Lot 1, exceptions				
Berrien		Watervliet				2	T3S	R17W	11-21-0002-0015-01-0
Berrien		Watervliet				2	T3S	R17W	11-21-0023-0014-01-6
Branch	Algansee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S	R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S	R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S	R5W	
Branch	Algansee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S	R5W	
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N	R8W	13-04-360-058-W
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N	R8W	13-04-360-058-W
Calhoun	Marengo	Marshall	1035 East Michigan Ave.			19	T2S	R5W	
Calhoun		Battle Creek				4	T2S	R8W	13-54-004-048-00
Cass		Dowagiac	111 North Front St.	Patrick Hamilton's Add	Lot 12				
Cheboygan		Cheboygan				29	T38N	R1W	16-053-029-303-002-00
Cheboygan		Cheboygan		J M Pennell's First Add to city	Lot 13, Blk 8				
Chippewa		Dafer	9976 Soo Line Rd.			21	T46N	R1W	
Chippewa	Kinross	Kincheloe				19,20, 29,30	T45N	R1W	008-019-005-00
Delta	Masonville	Rapid River	US2	H.W. Cole's Second Add	Lots 7,8 Blk 11	29	T41N	R21W	21-012-341-007-00 & 21-012-179-021-00 & 21-012-179-020-00
Eaton		Grand Ledge	105 E. Saginaw Hwy	Supervisors Plat #2	Pt of Lot 179				23-400-078-001-790- 00 & 791-00 & 791-01
Eaton									
Genesee		Flint	3402 Martin Luther King		Lots 544, 545, & 546				
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Genesee		Flint	3402 Martin Luther King or 121 E. Pasadena		Lots 548 & 549				
Genesee	Genesee					33	T8N	R7E	R-1006-22
Genesee	Genesee					33	T8N	R7E	R-1006-22

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Genesee		Flushing	90 E. Main St.	Assessor's Plat #5	Pt of Lot 98,				
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Gladwin		Gladwin	420 E. M-61	Woodland Terrace Annex	1,2,3&4 Blk 18	9	T18N	R1E	
Grand Traverse	East Bay						T27N	R10W	28-03220-020-00
Grand Traverse	Blair					7	T26N	R11W	
Grand Traverse	Blair		5175 Sawyer Wood Dr	Woodland Terrace Annex	Lots 1-4 Blk 18	7	T26N	R11W	28-02-007-047-20
Hillsdale	Scipio		Mosherville Rd.			10	T5S	R3W	30-02-010-100-011
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Hillsdale	Moscow					15	T5S	R2W	30-03-015-200-012-15-5-2
Ingham		Lansing	300 North St.	Turner & Smith's Sub of Lot 6 of Townsend Sub.	Lots 1,2, & Pt. 3 of Lot 6				
Ingham		Lansing	3125 MLK Blvd			29	T4N	R2W	33-01-01-29-476-041
Isabella		Mt. Pleasant	226 S. Main St.		Lot 1 & Pt 2, Blk 25				
Kalamazoo	Wakeshma	Fulton	13995 East W Ave.			16	T4S	R9W	16-16-490-190
Kalamazoo		Portage	9008 Portage Rd.	Ames West Lake Pk.	Lots 58,59,60				
Kalamazoo		Vlg. of Vicksburg		Wolverton's Revised Addition		18	T4S	R10W	39-15-18-100-018
Kalamazoo		Kalamazoo	8011 West D. Ave			21	T1S	R12W	
Kalamazoo		Kalamazoo	3501 South Burdick St.	Supv Plat of Henry Johnson Plat	Lot A				
Kalamazoo	Alamo					26	T1S	R12W	01-26-251-019
Kalkaska	Kalkaska					29	T27N	R7W	
Kalkaska	Kalkaska					29	T27N	R7W	
Kent	Courtland	Rockford	8413 Meyers Lake Rd.			33	T9N	R10W	
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Kent		Grand Rapids			6,7,8,4,5 + add parcel				41-14-19-330-017
Kent		Grand Rapids	2555 Oak Industrial Drive			22	T7N	R11W	

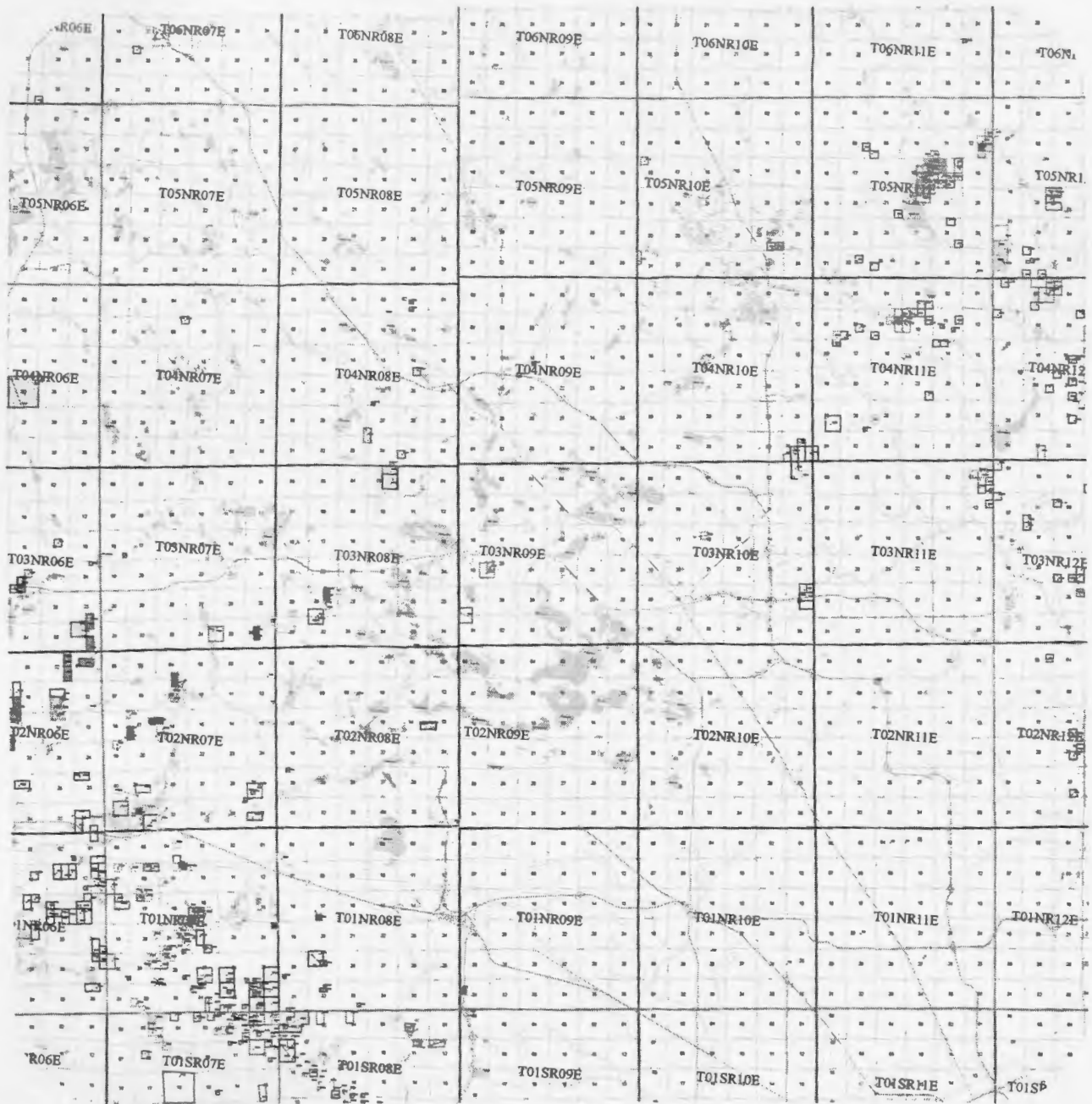
County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Lake	Pleasant Plains		M-37	Pere Marquette Plat	107,108,78,79	22	T17N	R13W	43-17N-13W-22BD
Lake	Pleasant Plains		M-37	Pere Marquette Plat	Lot 2052,53,80-83,103-106	22	T17N	R13W	
Lake	Pleasant Plains		M-37	Pere Marquette Plat	part of 20,21	22	T17N	R13W	
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Livingston	Putnam					27	T1N	R4E	14-27-400-002 30147080
Livingston		Fowlerville	306 E. Grand River	Fowler's First Add	Lot 39 Blk 2				05-11-302-014
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Shelby				#63,64				07-18-401-005,50-07-593-063-00; 07-18-401-004, 50-07-593-064-00
Monroe	Bedford					28	T8S	R7E	58-08S-07E-28BA
Montcalm	Bloomer					12	T9N	R5W	59-051-700-040-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montmorency		Atlanta Vlg	103 State St. Box 615		Lots 5 thru 11, Blk 7				
Newaygo	Everett					17	T13N	R12W	

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Newaygo	Everett					17	T13N	R12W	
Oakland	Independence					33	T4N	R9E	08-33-451-001
Oakland	Waterford/ White Lake					7&18 12	T3N T3N	R9E R8E	13-07-100-008 12-12- 200-007
Oakland	Farmington	Farmington Hills	29024 Grand River	Richland State Sub. Resub of Richland's Gardens Sub	Lots 45-51	36	T1N	R9E	23-36-304-022
Oakland	Waterford		Whitfield Estates		Lot 310				13-08-153-001
Oakland		Milford	City of Milford			10,11	T2N	R7E	16-10-228-003
Oakland	Independence					33	T4N	R9E	08-33-426-001
Oakland	West Bloomfield	West Bloomfield	7055 Cooley Lake Rd.,	Dewey Beach Sub	Lots 371-374, Pt 375-378				18-06-229-033
Ogemaw	Hill	Lupton	3610 Forest Dr.	Shady Shores Park sub of Gov't Lot 2&3	Pt Lot 1 Blk A, Pt. of Lot 8	8	T23N	R4E	
Osceola	Hartwick					1	T19N	R8W	67-04-001-001-00
Osceola	Highland	Marion	18814 M-115			35	T20N	R8W	
Osceola	Orient					21	T17N	R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Orient					21	T17N	R7W	67-11-021-021-10 67- 11-021-022-10
Osceola	Hartwick					1	T19N	R8W	67-04-001-001-00
Osceola		Ewart	202 E. Seventh		479				
Ottawa	Crockery	Vlg of Nunica		Adsit's Add	Lot 3, Blk 3	15	T8N	R15W	70-04-15-430-018 70- 04-14-320-002
Ottawa	Tallmadge				Gov't 4	12	T6N	R13W	70-14-12-400-003
Ottawa		Grand Haven		Rycenga's Plat 3	197	21	T8N	R16W	70-03-21-415-018
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17				
Presque Isle	Presque Isle		17661 Grand Lake Blvd.		17				
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17				
Presque Isle	Presque Isle			Lot 17, of SUPERVISOR'S PLAT OF SPRINGFIELD CAMP	17				
Roscommon	Denton								

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town Range	Tax Code
Saginaw		Chesaning	525 E. Broad St.		Pt of Lot 5, Blk 15	16	T9N R3E	
Shiawassee	Shiawassee					26	T6N R3E	
Shiawassee	Shiawassee					26	T6N R3E	
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3			78-022-42-003-001
Shiawassee		Owosso	1725 Corunna Ave.	A V Johnson's Add	Lots 4,5,11, 12,13 Blk 8			
Shiawassee		Laingsburg		Week's Add	Lot 1, Blk 3			78-022-42-003-001
Shiawassee		Owosso	210-300 E Monroe St.	A L Williams Second Addition	Blk 1 = 9,10,1; Blk 2 = 1-13 AL Williams Second Add	24	R2E T7N	78-010-652-001-004
Shiawassee		Owosso	1509 W. Oliver St., City of Owosso			14	T7N R2E	50-537-000-048-00
St. Clair	Clay		3601 Ratray Lane		Lots 1 & 3			74-14-618-0049-000
St. Joseph	Colon					3	T6S R9W	
St. Joseph	Colon					3	T6S R9W	
Tuscola		Caro		Plat of Centerville (Caro)	1and pt 2 Blk23	3	T12N R9E	
Tuscola	Wisner	Fairgrove	9006 Bay City Forestville Rd.		Parcel B	29	T14N R7E	10-01-0004-790-06
Van Buren		Vlg of Paw Paw				13	T3S R14W	
Van Buren		Vlg of Paw Paw				13	T3S R14W	
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0002-000
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0008-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0008-000
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0001-000
Wayne		Woodhaven				28	T4S R10E	59-080-99-0004-000
Wayne		Detroit	4445 Lawton aka 4450 Lawton	Plat of RR Concessions, PC 729	41-58, Out Lot 8,			
Wayne	Brownstown	Flat Rock				28	T4S R10E	58-081-99-0002-000
Wayne			65 Piquette	65 Piquette				01-1788-91

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section Town Range</i>			<i>Tax Code</i>
Wayne		Detroit 48227	14000 Fenkell	Davy's Fenkell Ave Sub	Lots 33-36				
Wexford		Cadillac		Outlot 6 Cummer & Hayes Add.	Outlot 6				10-056-00-026-00
Wexford		Cadillac	Blk 14		4,5,6				
Wexford									
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100

OAKLAND COUNTY DRILLING UNITS



LEGEND:

FIELD SPACED			
INACTIVE	ACTIVE		
GENERAL RULE 10-ACRE			
INACTIVE	ACTIVE		
GENERAL RULE 40-ACRE			
INACTIVE	ACTIVE		
SUPERVISORS ORDER 1-73 (80-ACRES)			
INACTIVE	ACTIVE		
SUPERVISORS ORDER 1-86 (640-ACRES)			
INACTIVE	ACTIVE		
20-ACRE ALBION-SCITTO (S.O. 9-7-84)			
INACTIVE	ACTIVE		

DRILLING UNIT TYPES:			
S.O. 2-81 (OAKLAND CO. NIAG. 40-ACRES)			
INACTIVE	ACTIVE		
160-ACRE GAS ACT			
INACTIVE	ACTIVE		
VOLUNTARILY POOLED (PRE R303)			
INACTIVE	ACTIVE		
R 303 SPACING EXCEPTION			
INACTIVE	ACTIVE		
SUPERVISORS ORDER 12-6-75 (80-ACRES)			
INACTIVE	ACTIVE		
SUPERVISORS ORDER 18-2007 (40-ACRES)			
INACTIVE	ACTIVE		

ANTRIM UNIFORM SPACING PLAN			
ACTIVE USP			
40-ACRE S. MICH ANTRIM (S.O. 3-3-95)			
INACTIVE	ACTIVE		
40-ACRE ANTRIM (S.O. 10-12-87)			
INACTIVE	ACTIVE		
80-ACRE ANTRIM (S.O. 14-9-94)			
INACTIVE	ACTIVE		
ANTRIM TWIN WELL (S.O. 24-8-05)			
INACTIVE	ACTIVE		
PRIVATE CLAIMS			
INACTIVE	ACTIVE		

WELL TYPES:

● OIL	○ LOCATION (UNDRILLED)	◇ DRY HOLE
✱ GAS	✱ GAS/BRINE DISPOSAL	✱ PLUGGED WELL
✱ GAS CONDENSATE	✱ GAS STORAGE	✱ SLANT
— OTHER	✱ GAS INJECTION	✱ SURFACE LOCATION
△ BDW	✱ WATER INJECTION	— DIRECTIONAL
	✱ OTHER INJECTION	— HORIZONTAL

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